

# Report

August 1, 2016

## UGMA Moisture Meter Performance

This document contains plots that show the performance for instruments based on GIPSA's Unified Grain Moisture Algorithm (UGMA). The data were collected on the GIPSA's UGMA Master System for the crops listed on each plot. The differences are instrument moisture results minus USDA-GIPSA air oven moisture results.

The plots show data for the spring/summer and fall harvest grain groups. The specific grain types included in each grain group are listed below the grain group title of each plot. The "mean" value is the average difference between the UGMA results and the air oven results for all samples on the plot. The Standard Deviation of Differences (SDD) value is a measure of the variability of differences between the UGMA results and the air oven results. Approximately two thirds of UGMA results were within +/- the listed SDD value for that grain group.

The y-axis range for all plots is +/- 2 % moisture difference, and the x-axis is the % moisture (air oven value).

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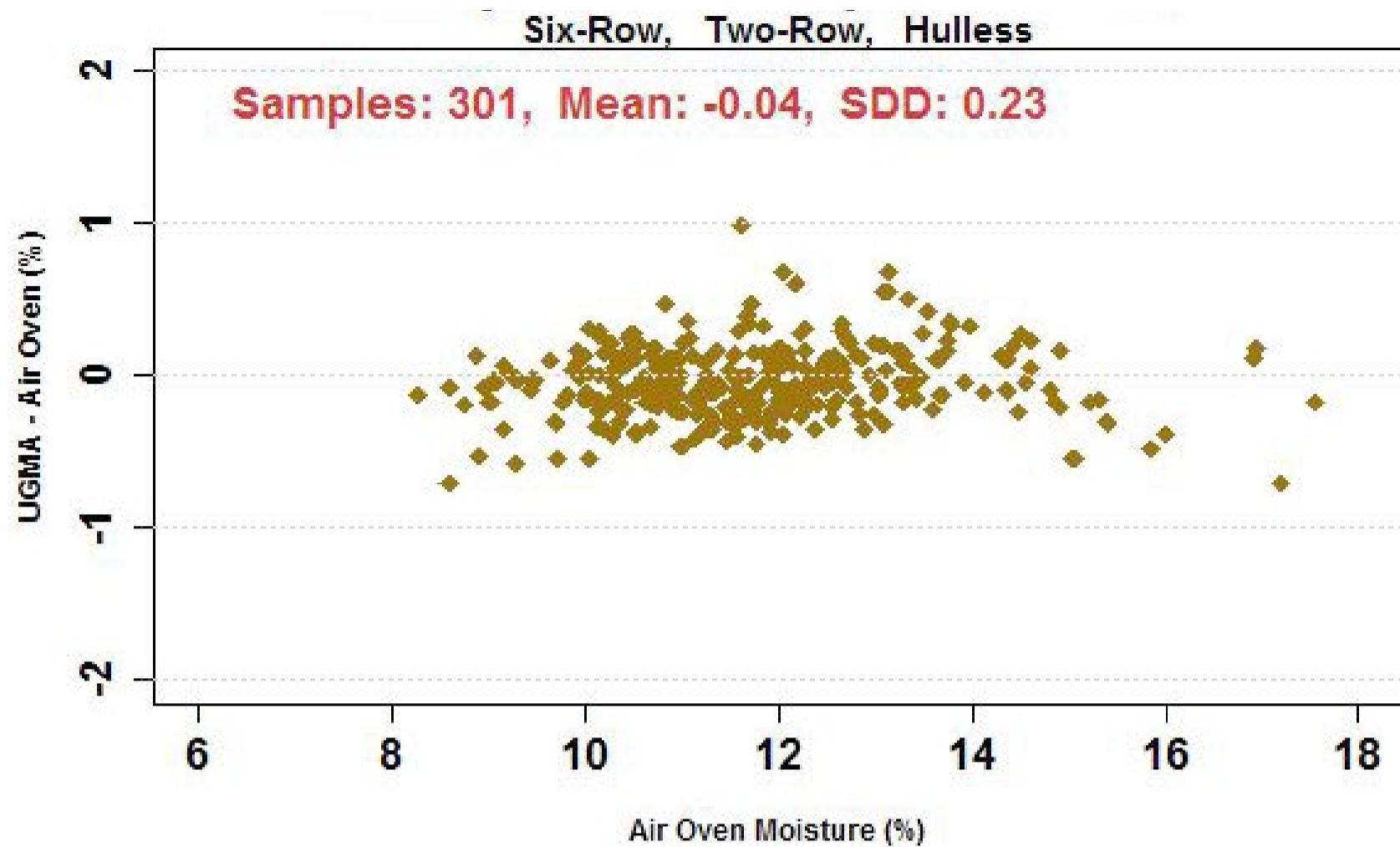
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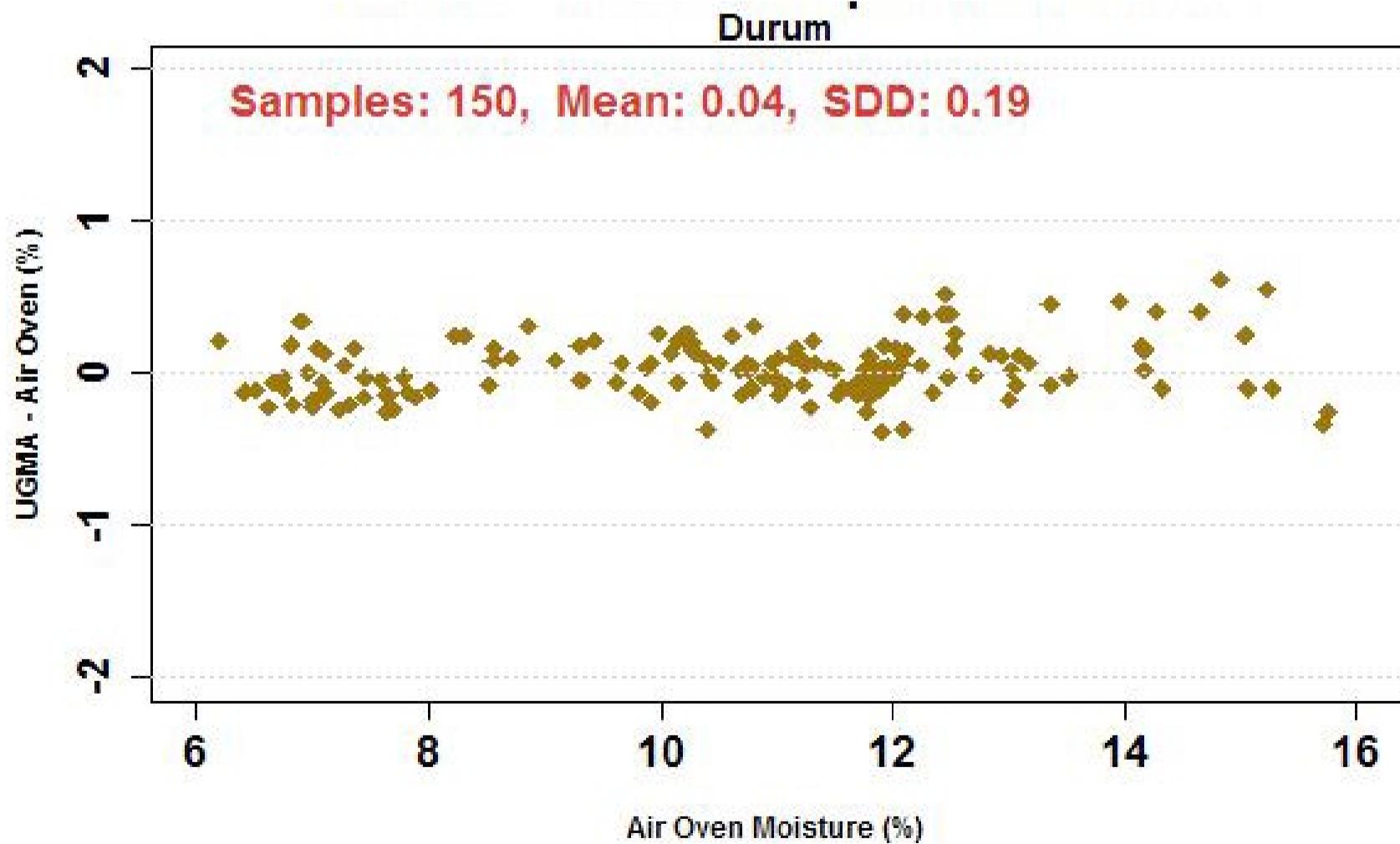
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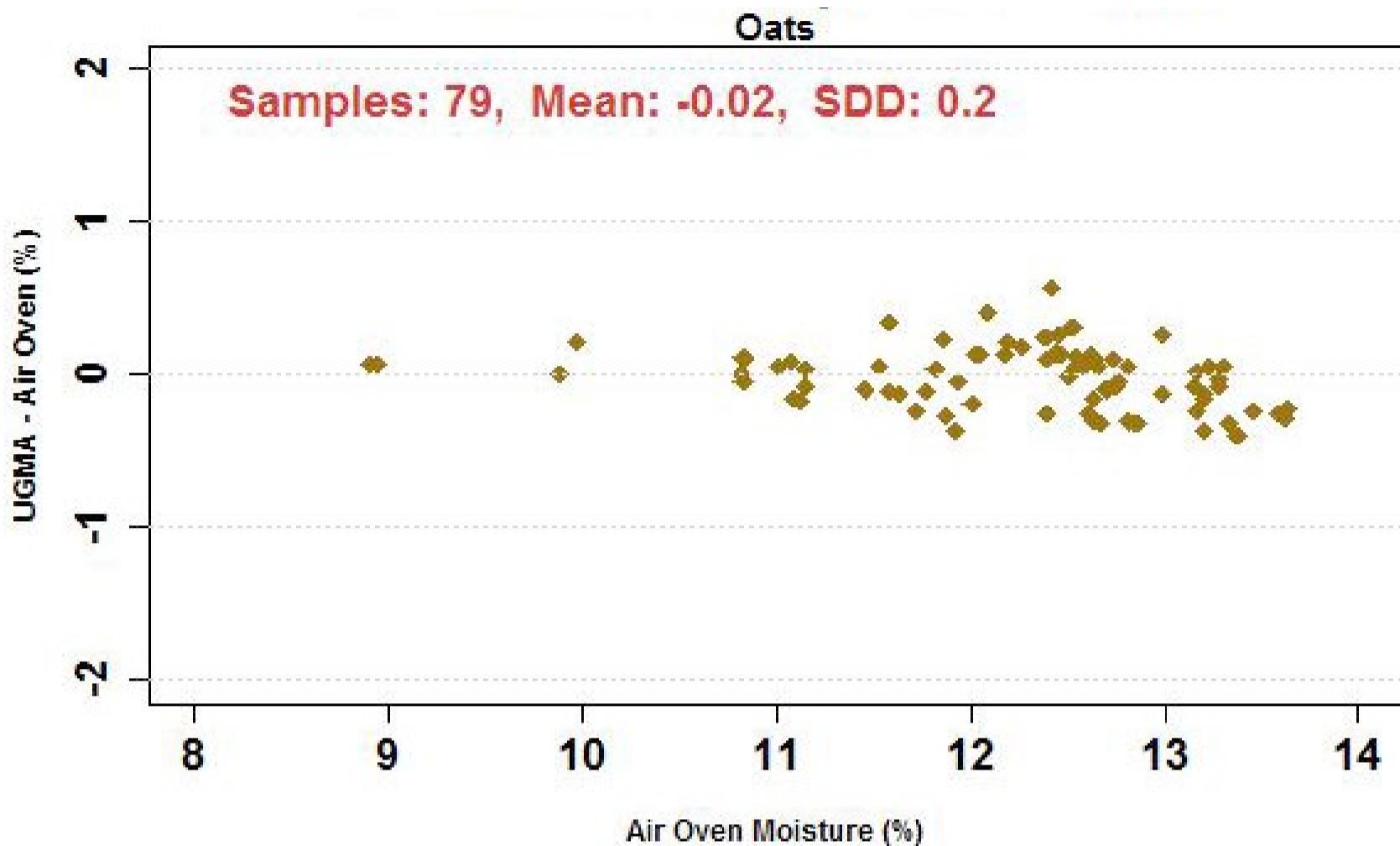
## 1. Barley Grain Group 2011-2015



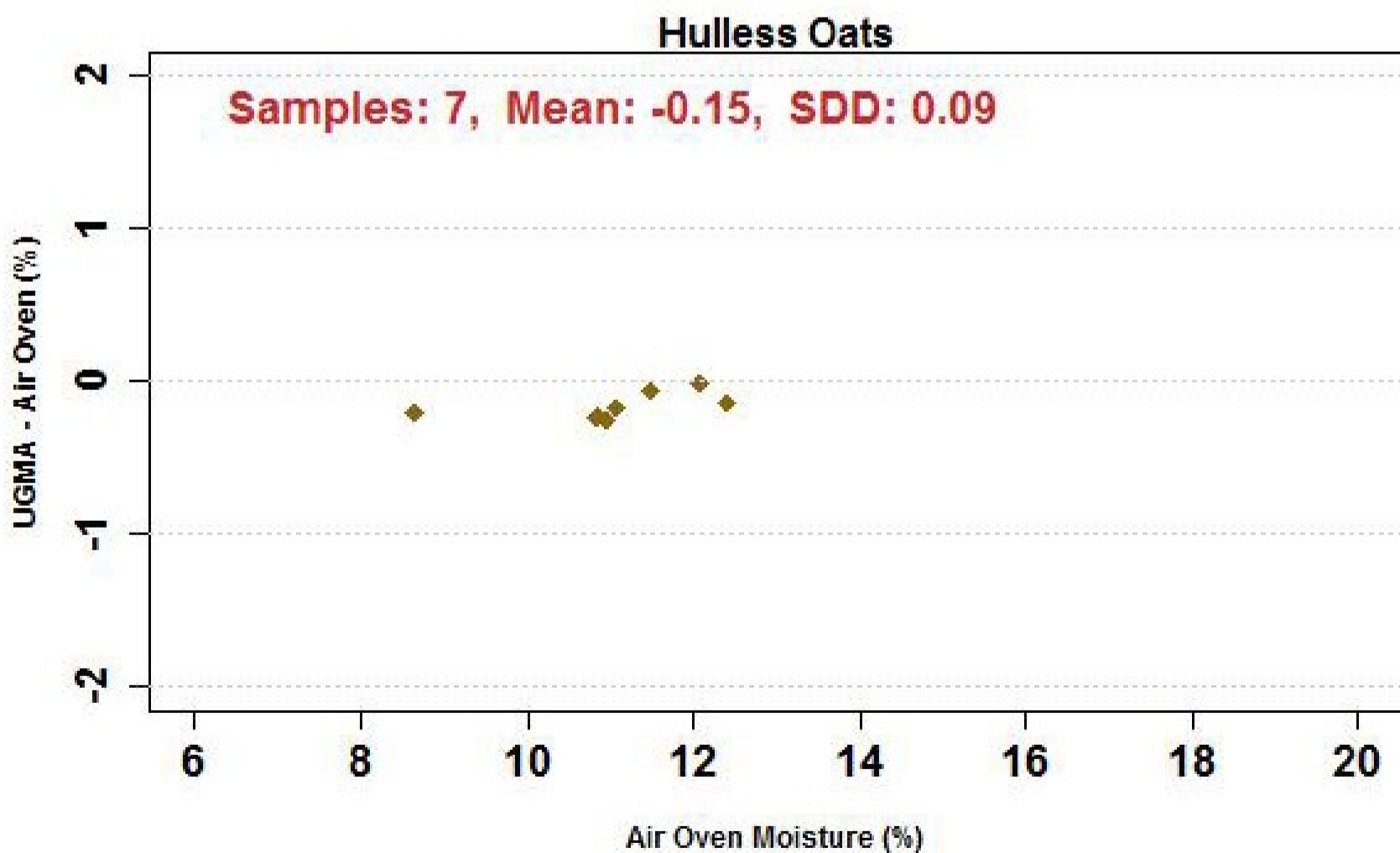
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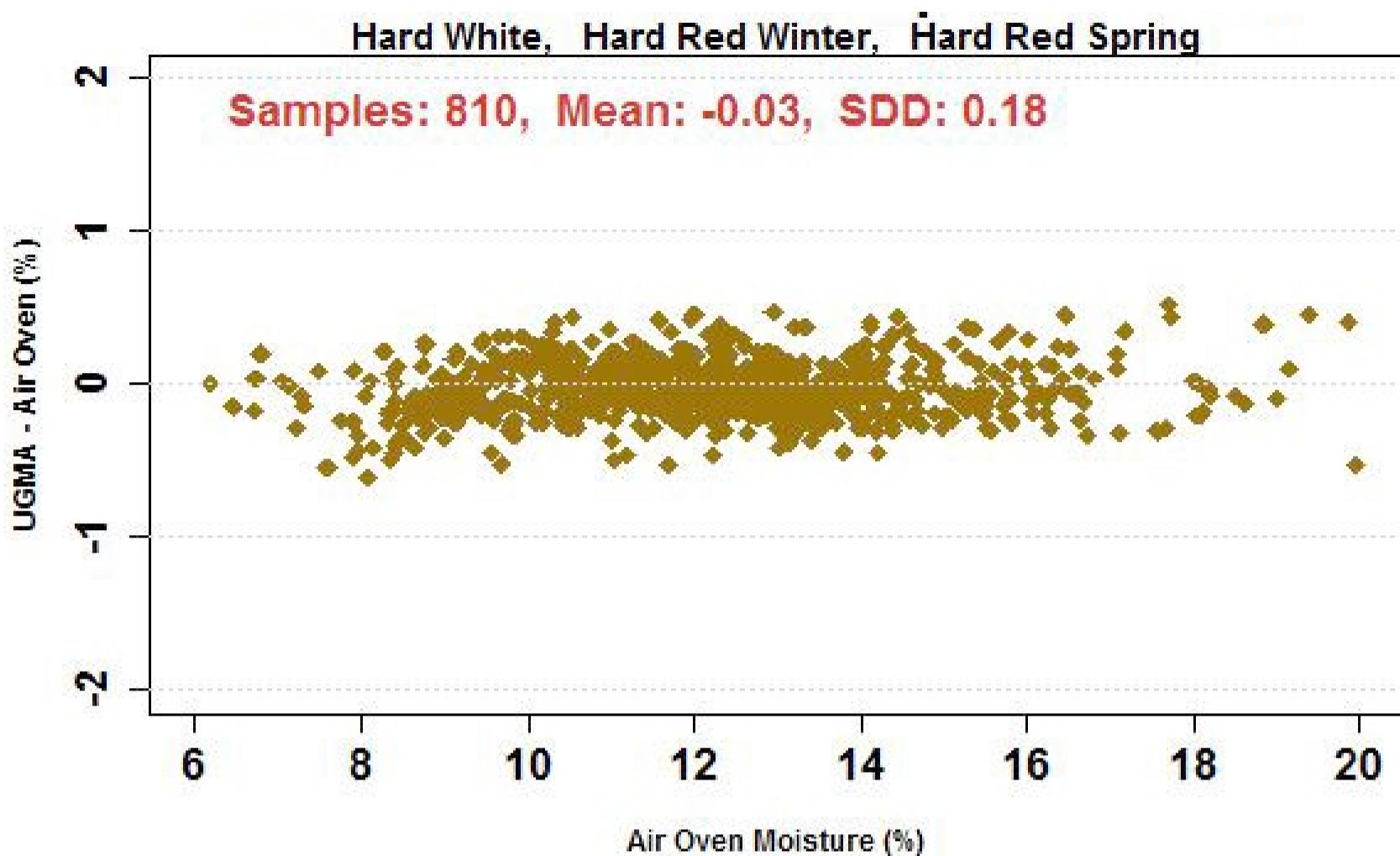
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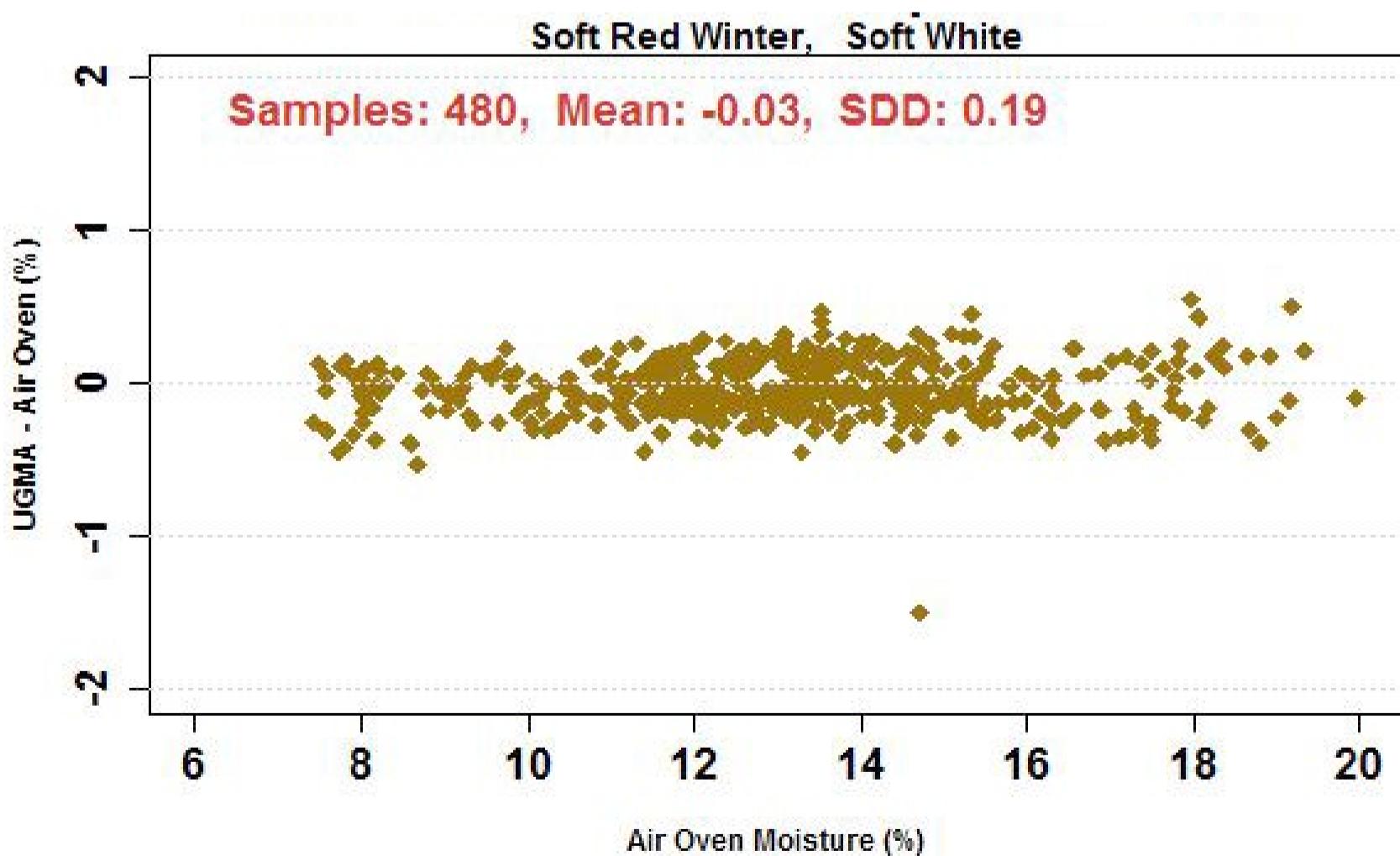
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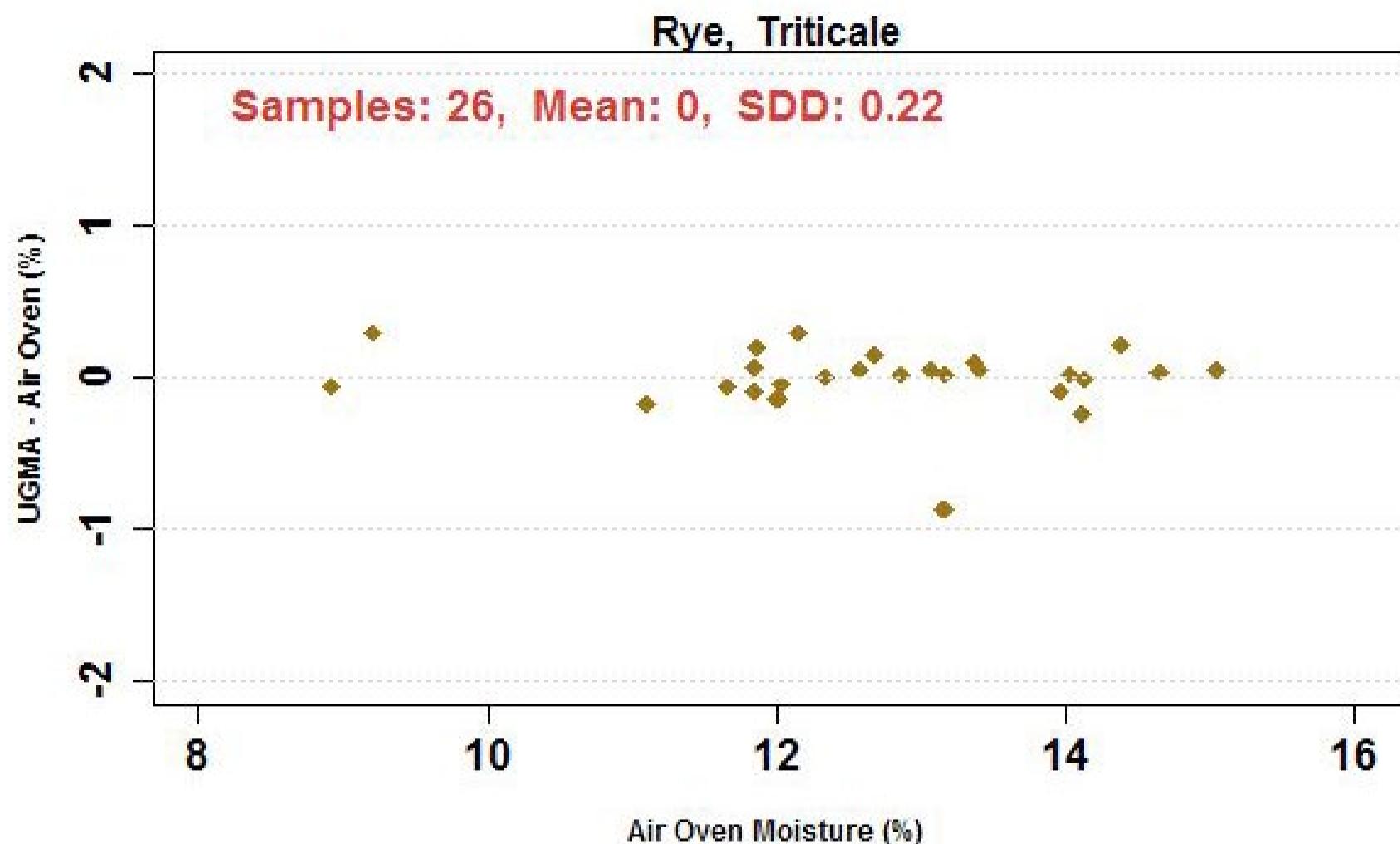
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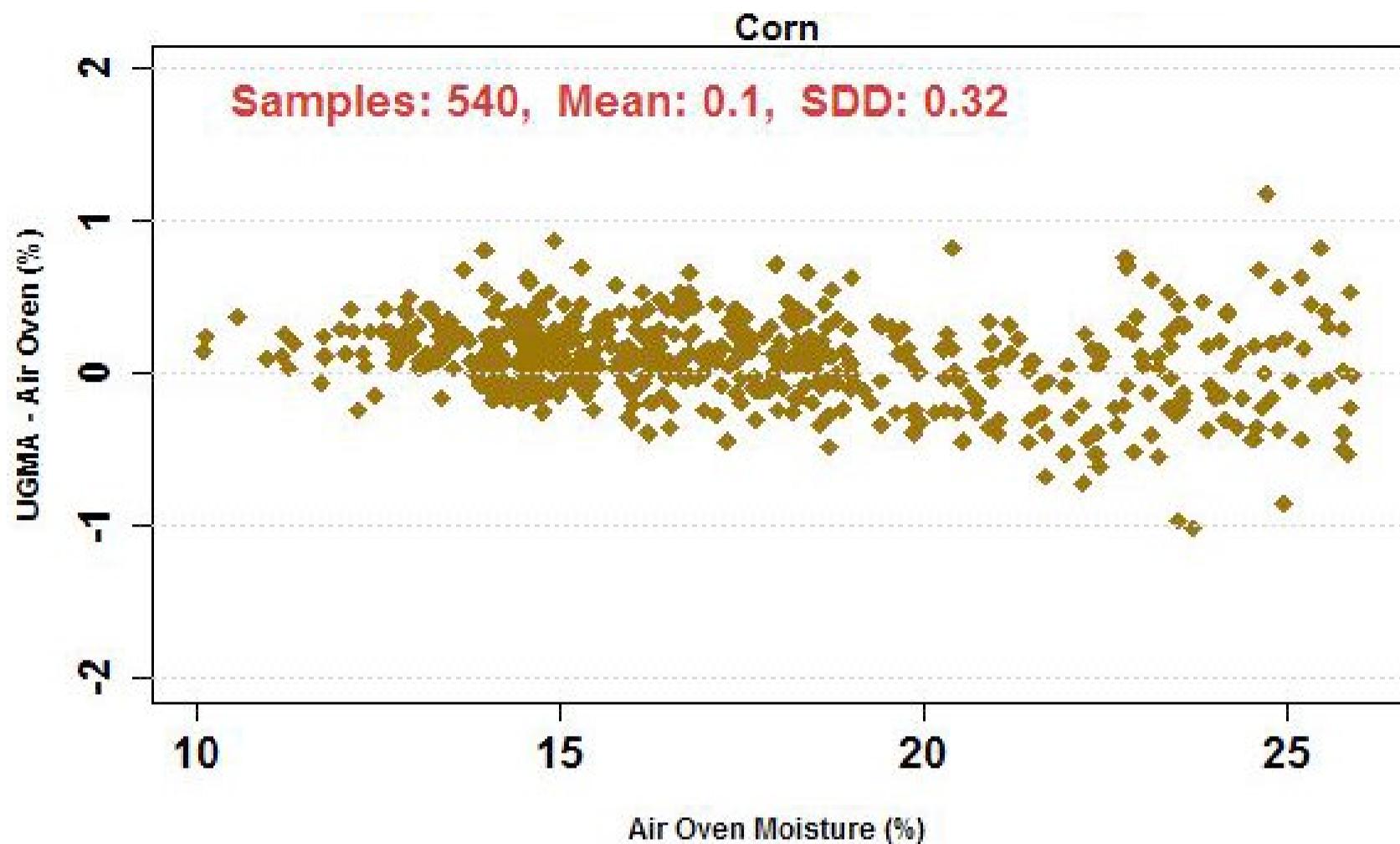
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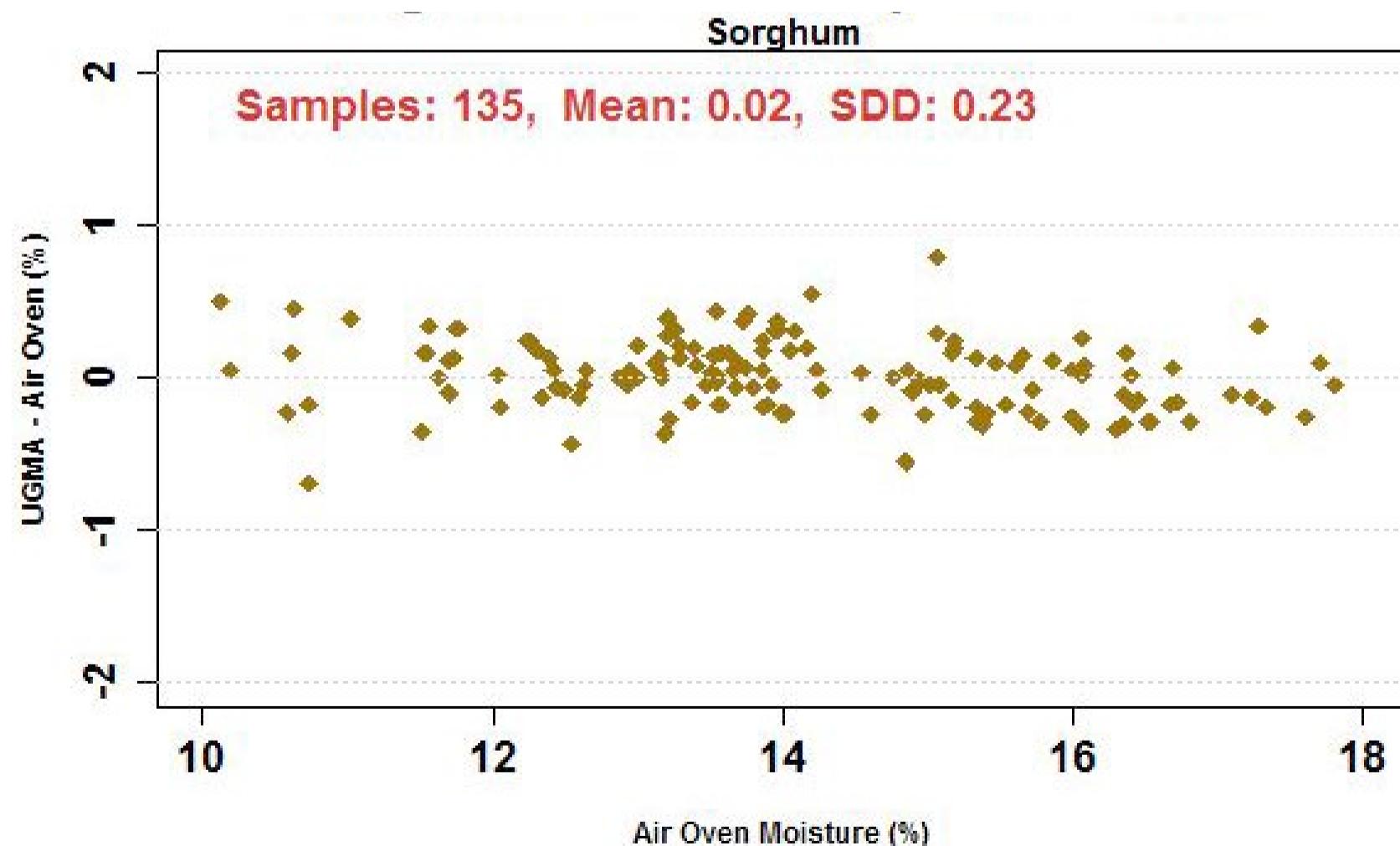
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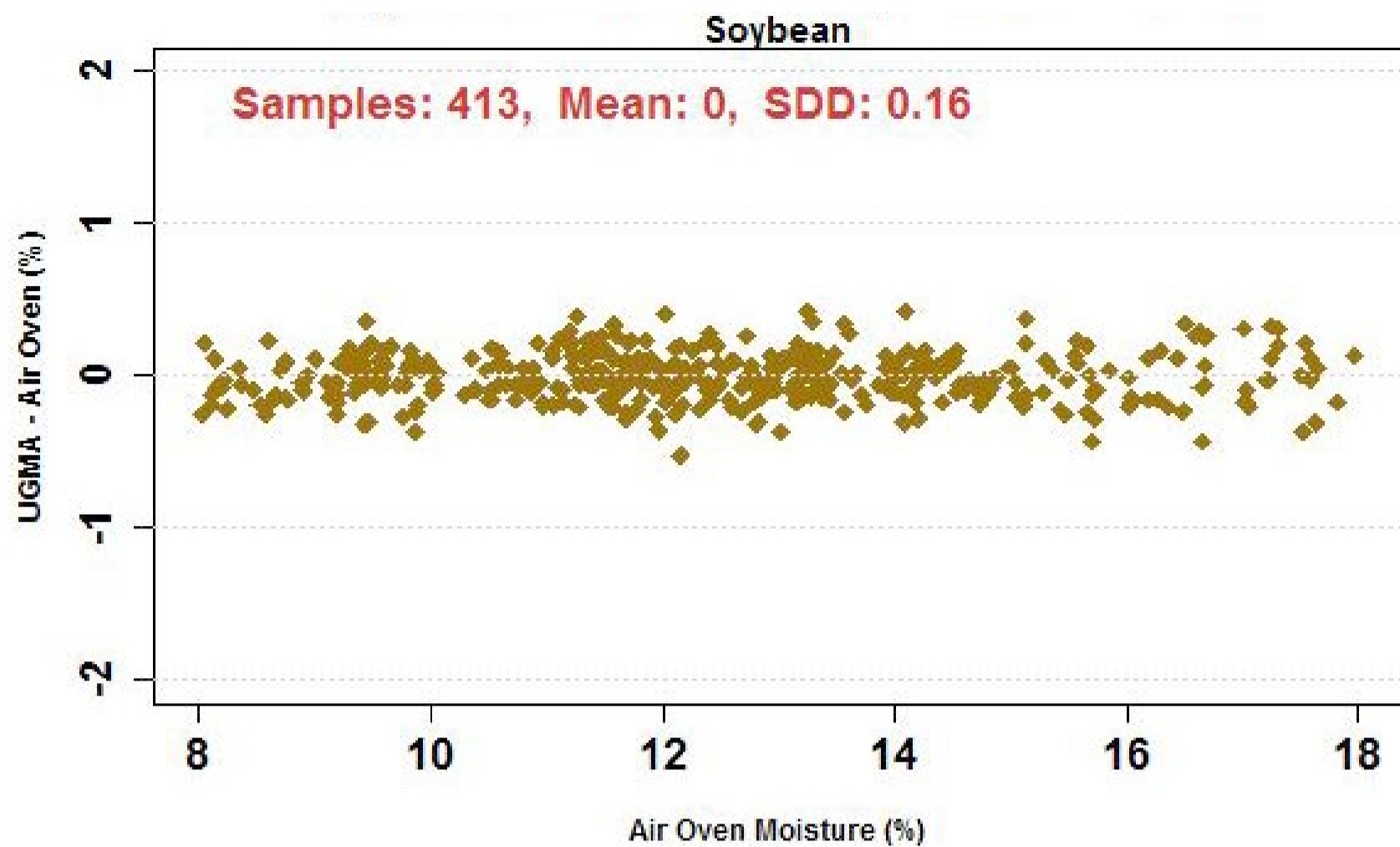
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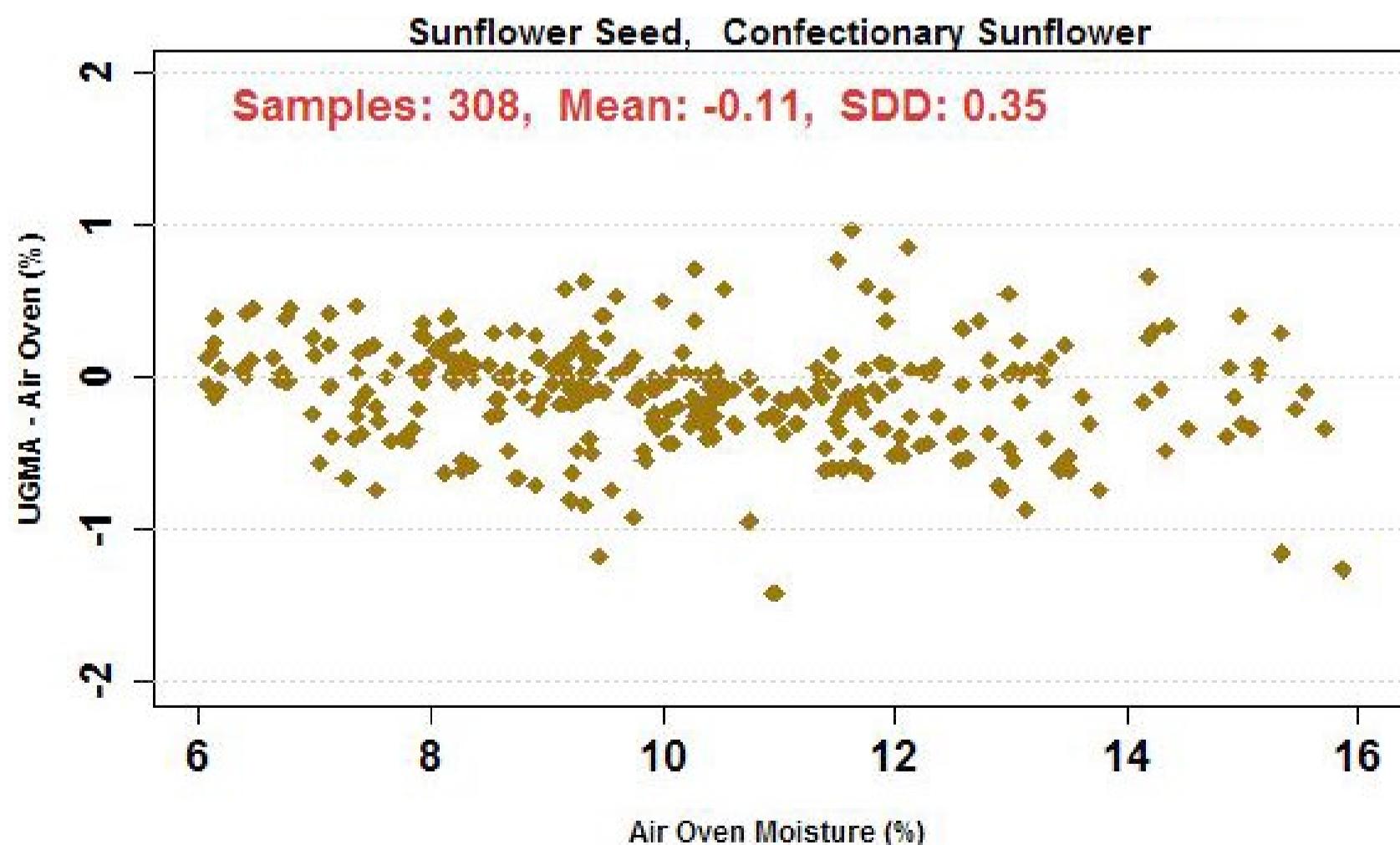
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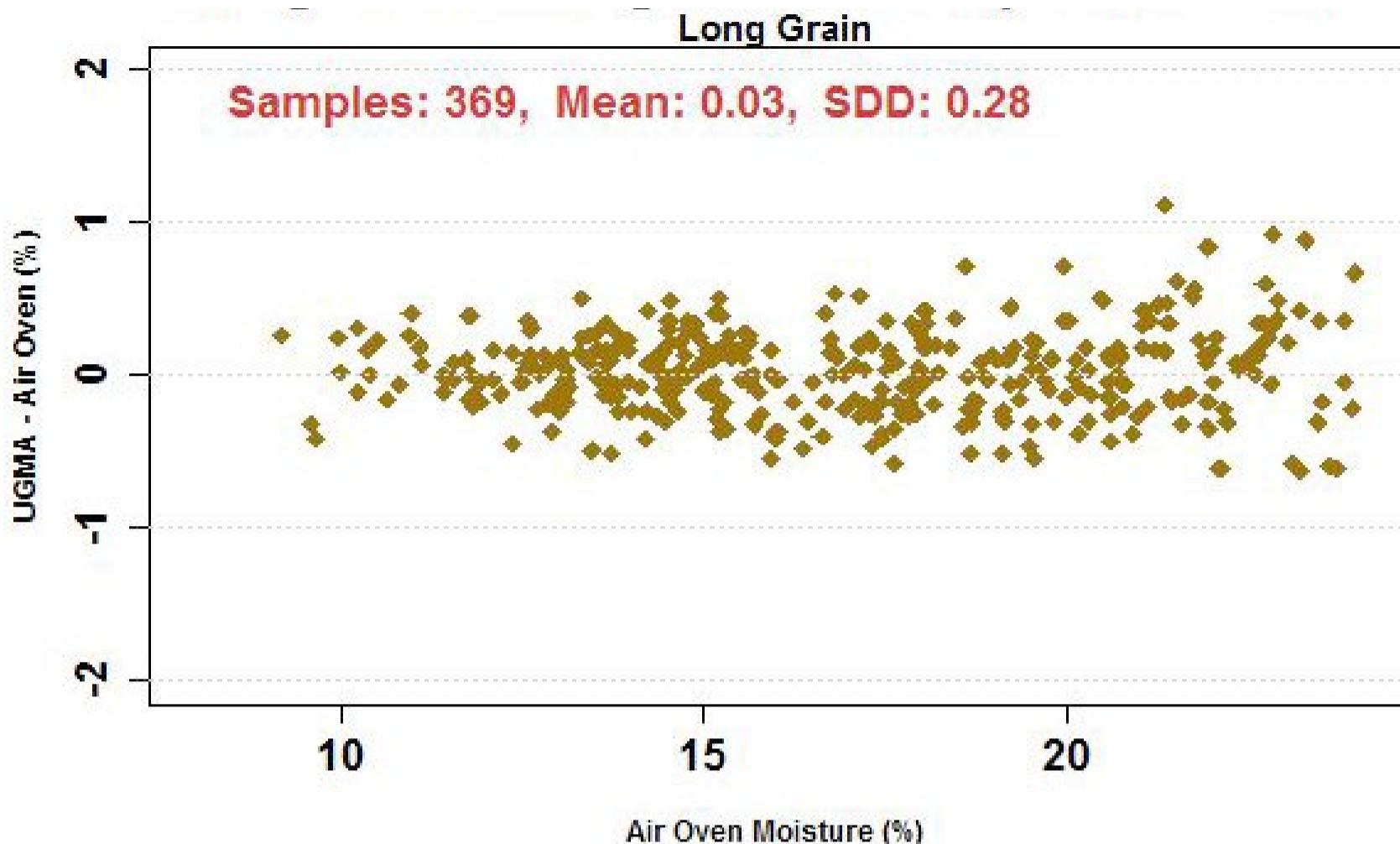
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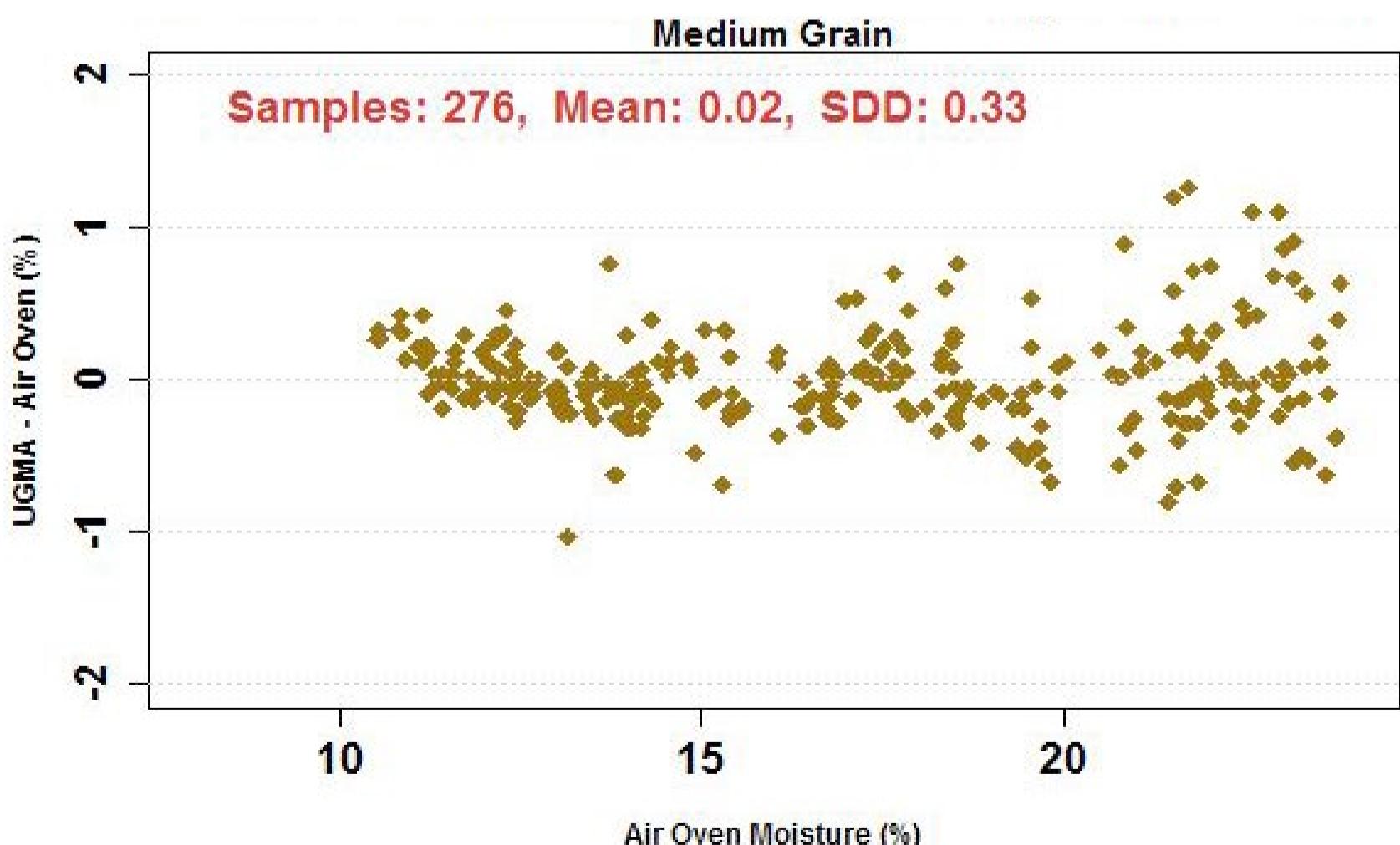
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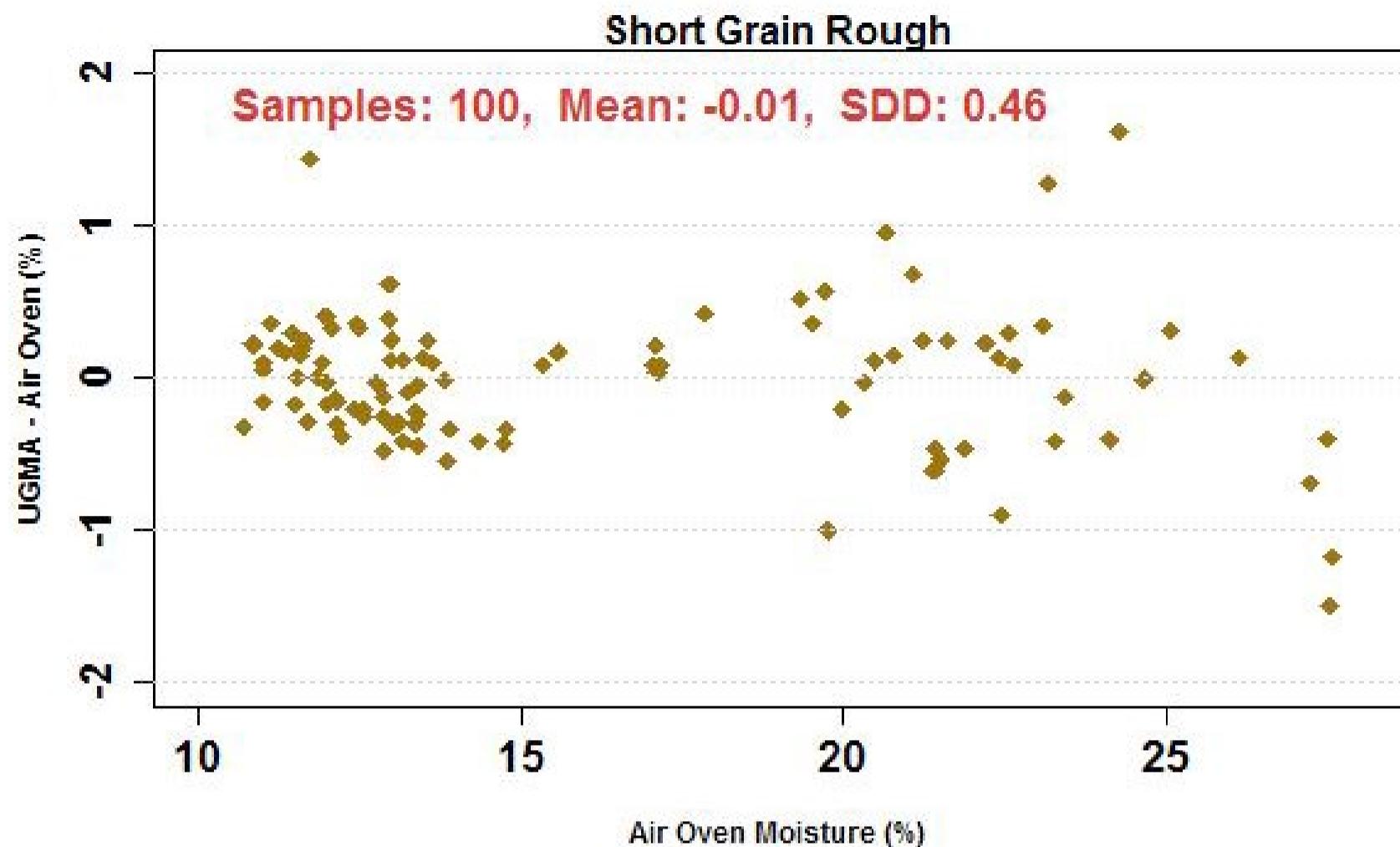
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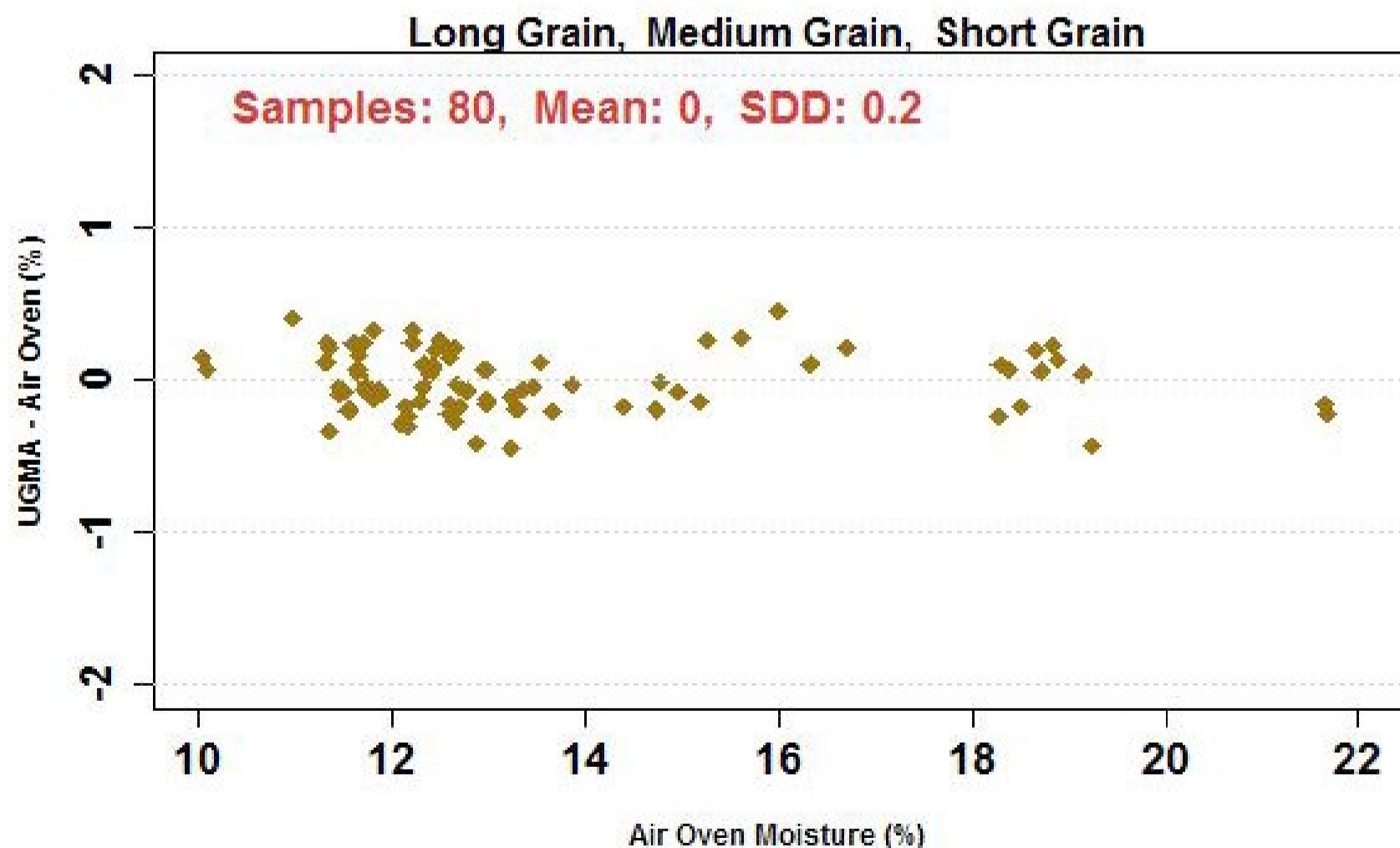
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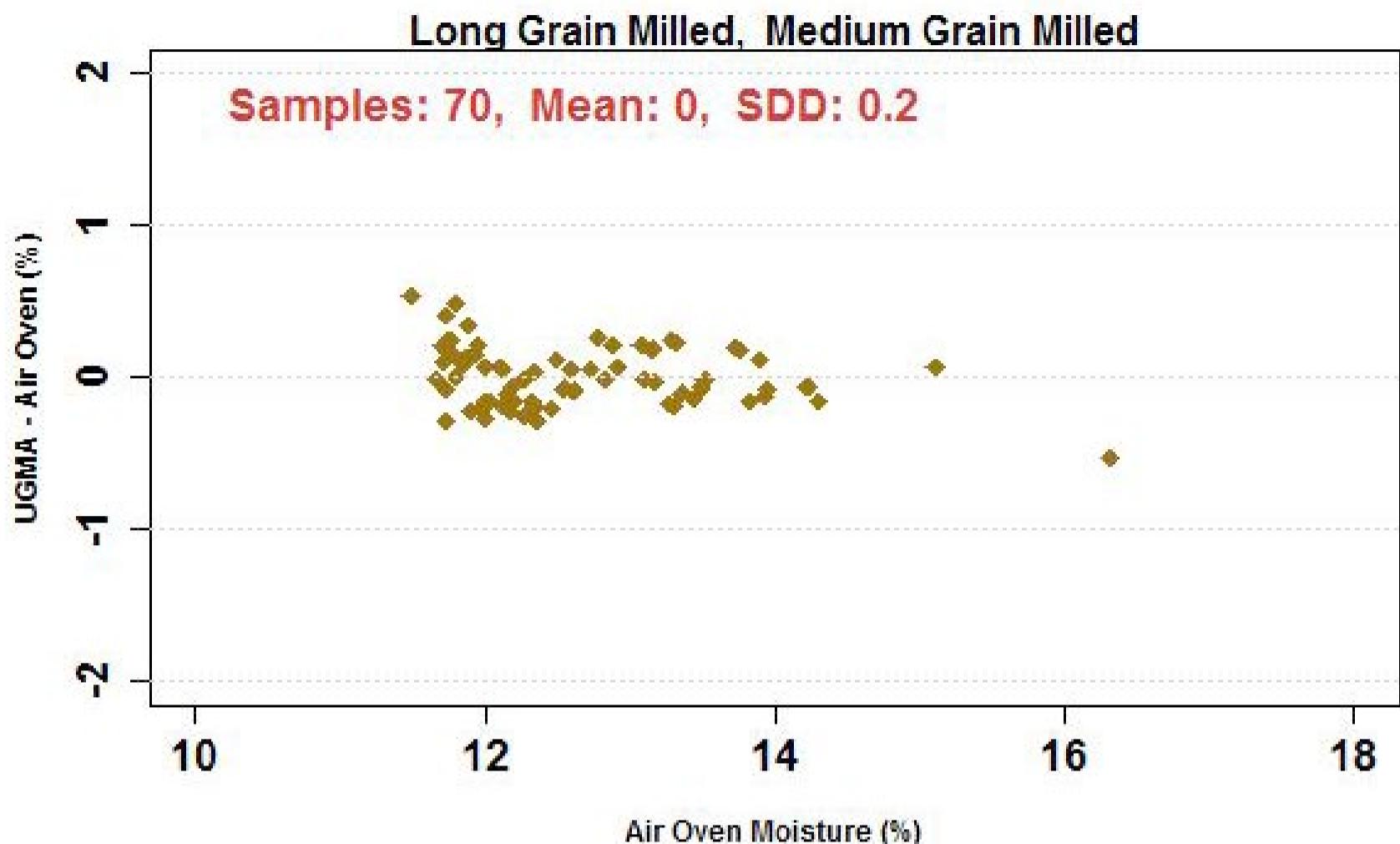
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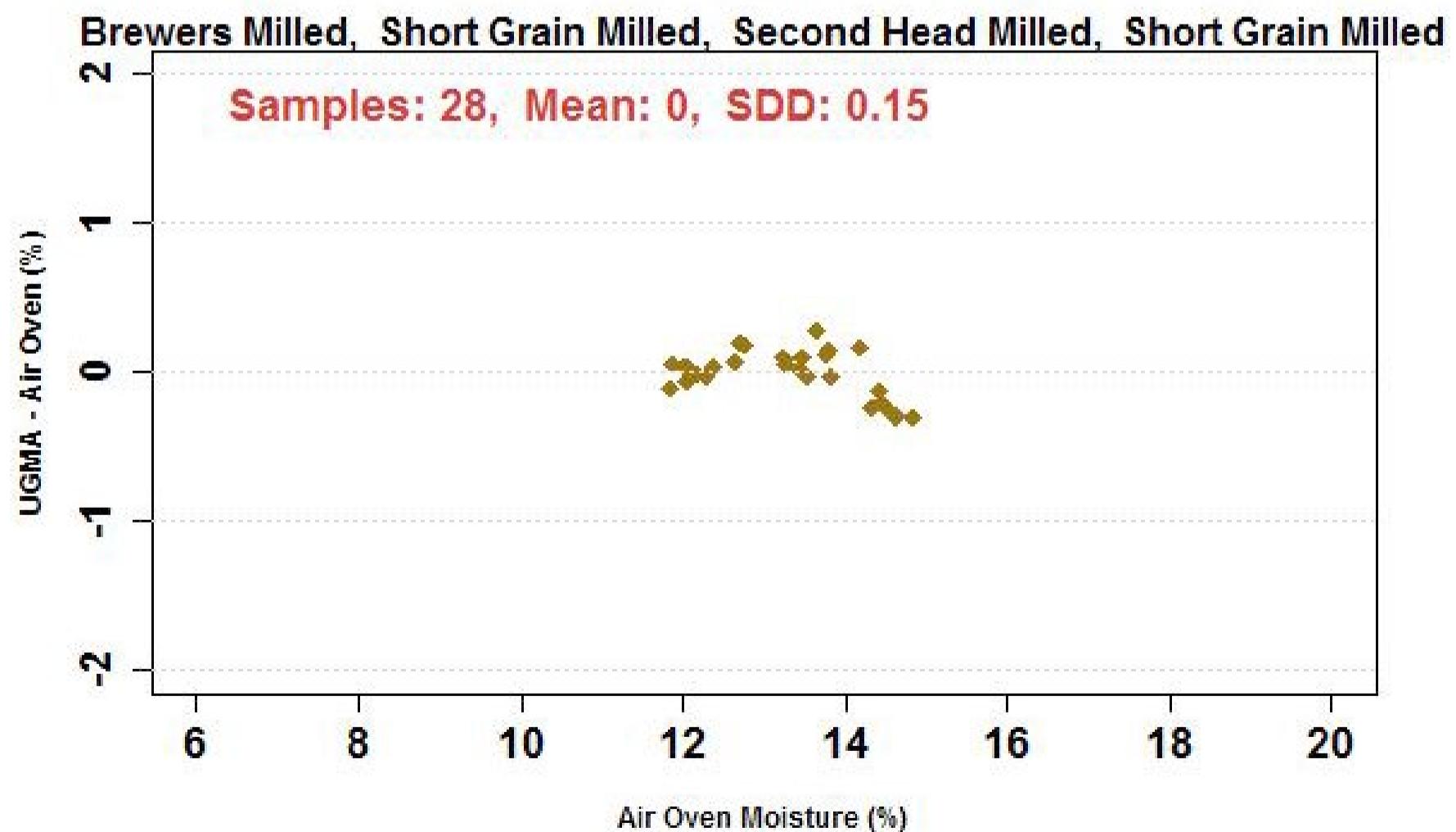
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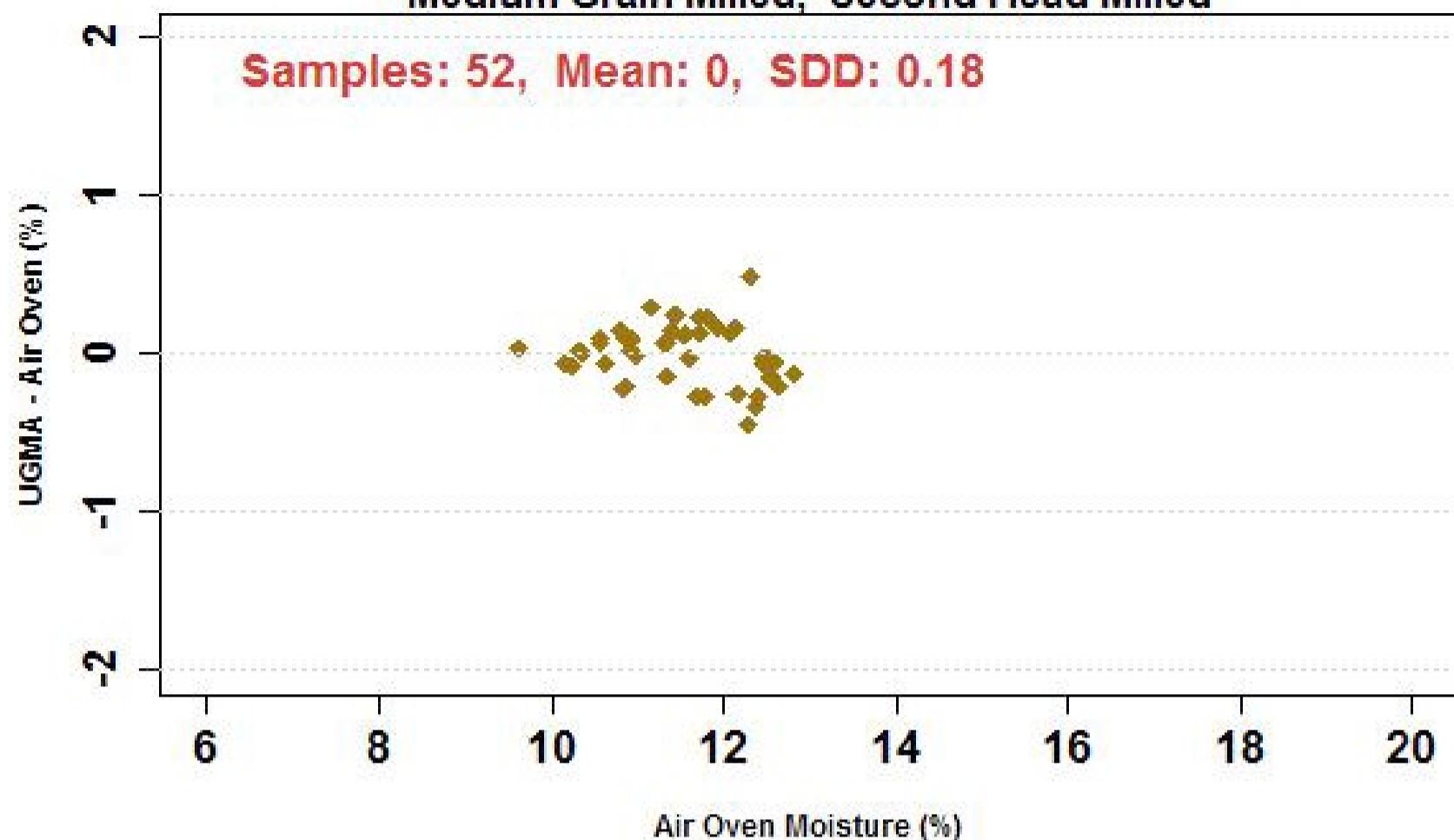


## 17. Short Grain Milled Rice Group 2012



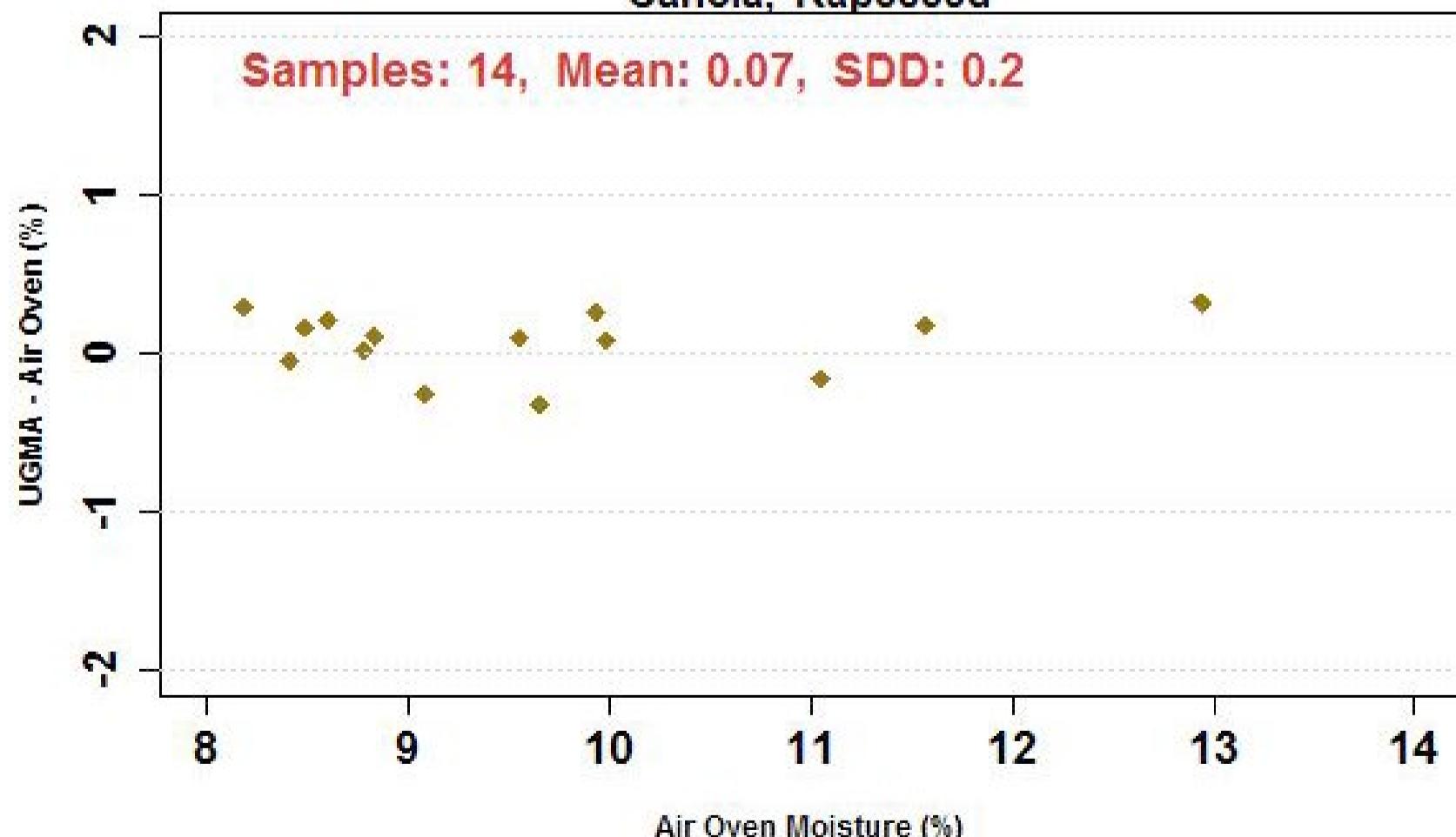
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Brewers Milled, Long Grain Brown, Long Grain Milled,  
Medium Grain Milled, Second Head Milled

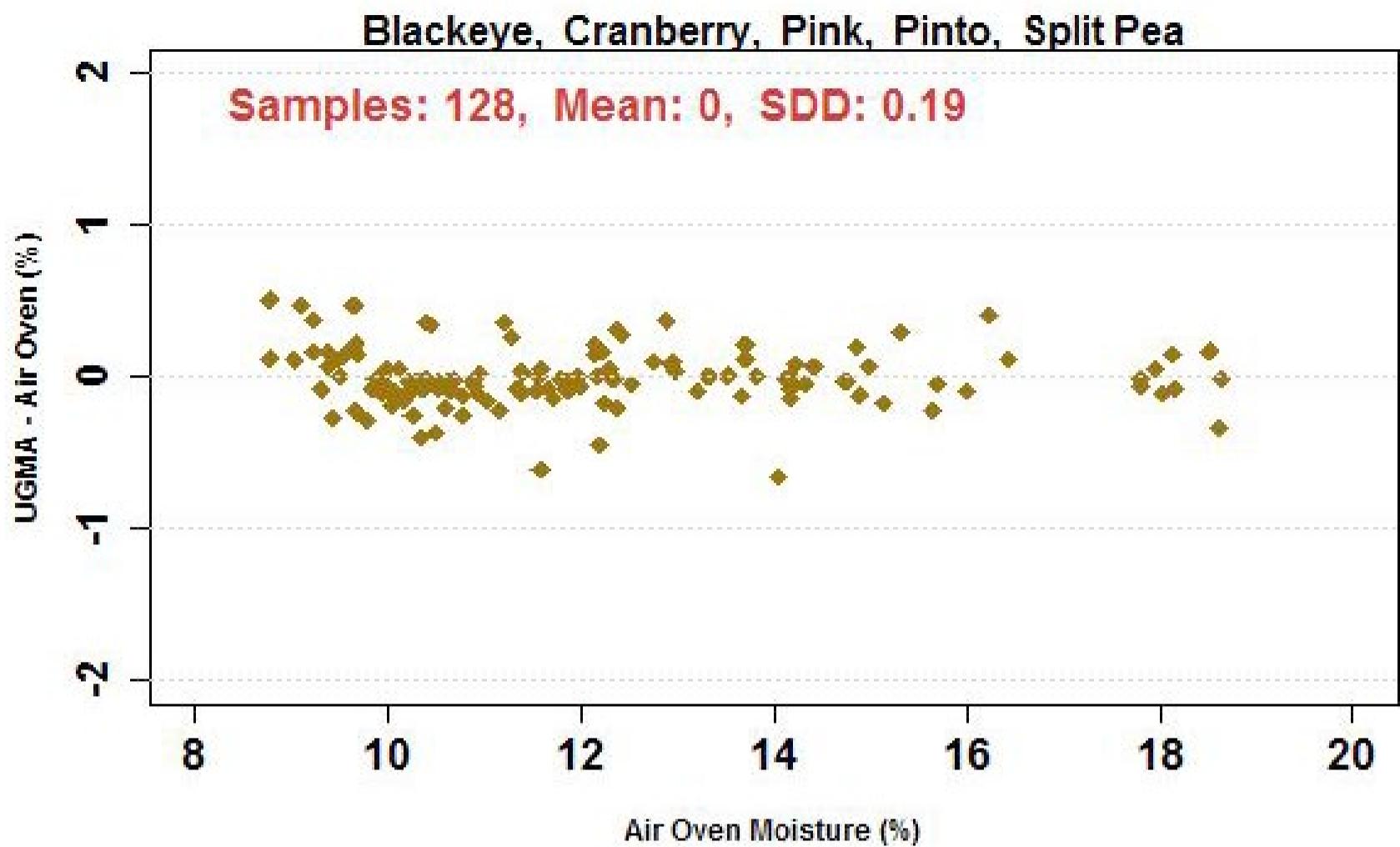


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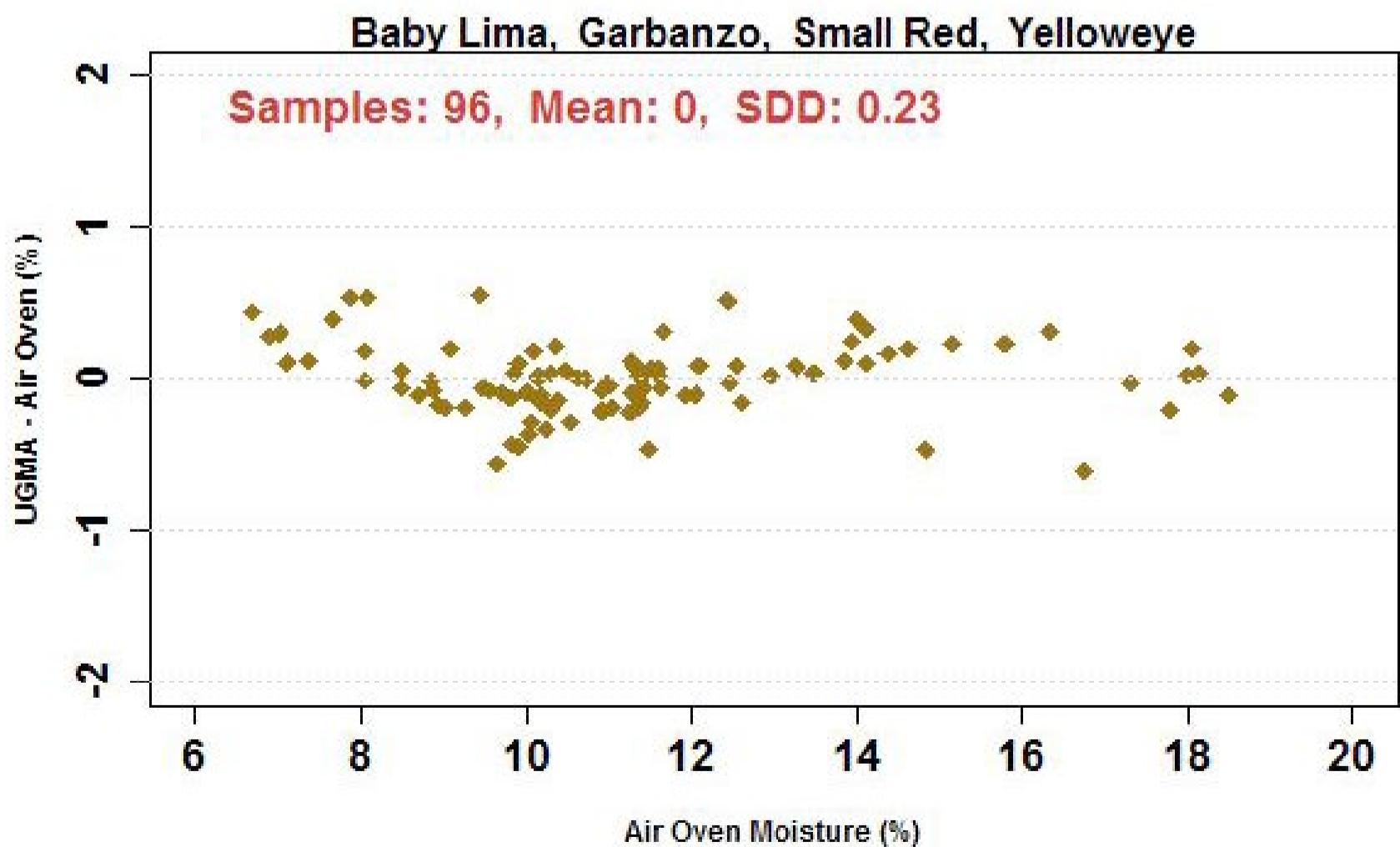
Canola, Rapeseed



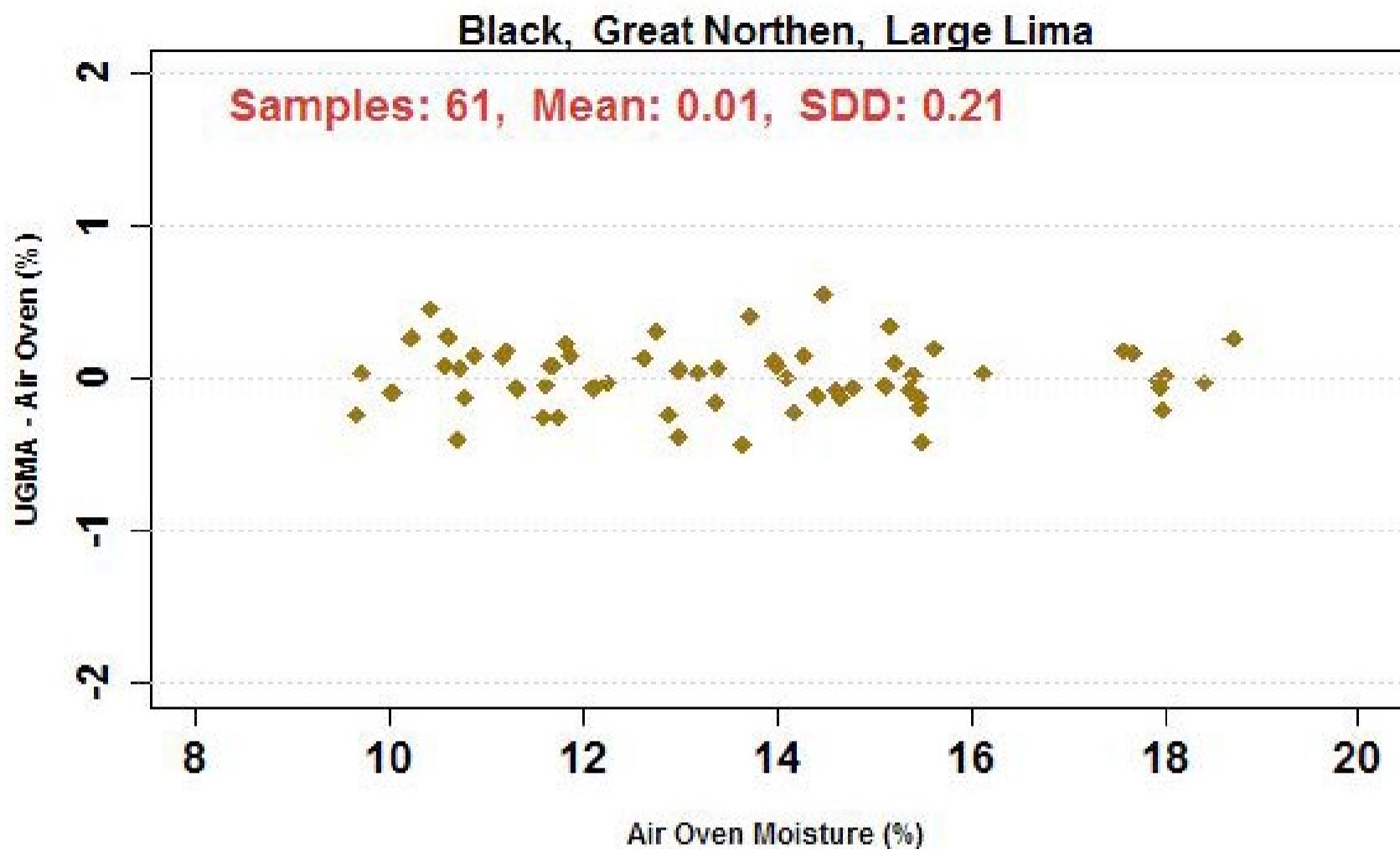
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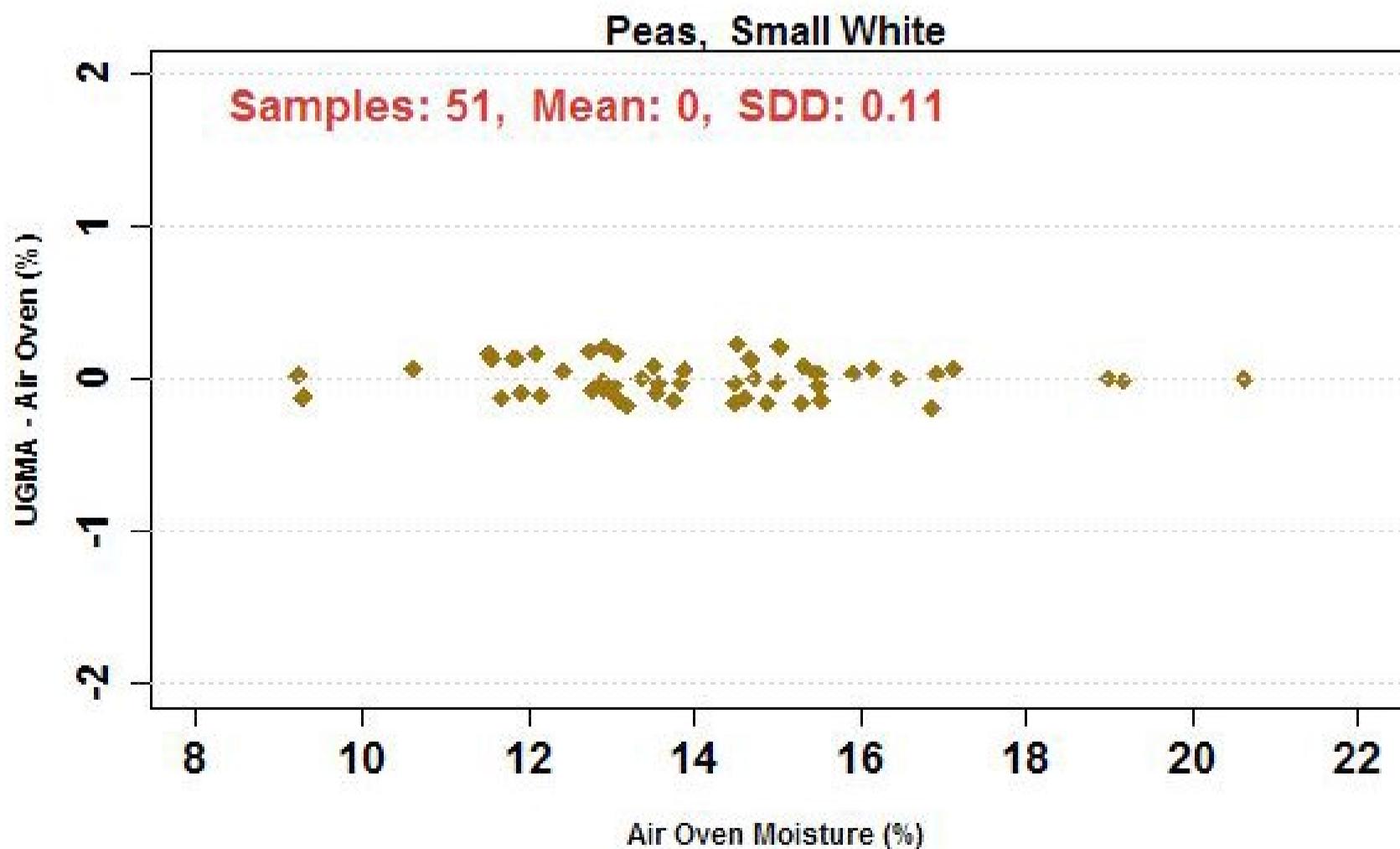
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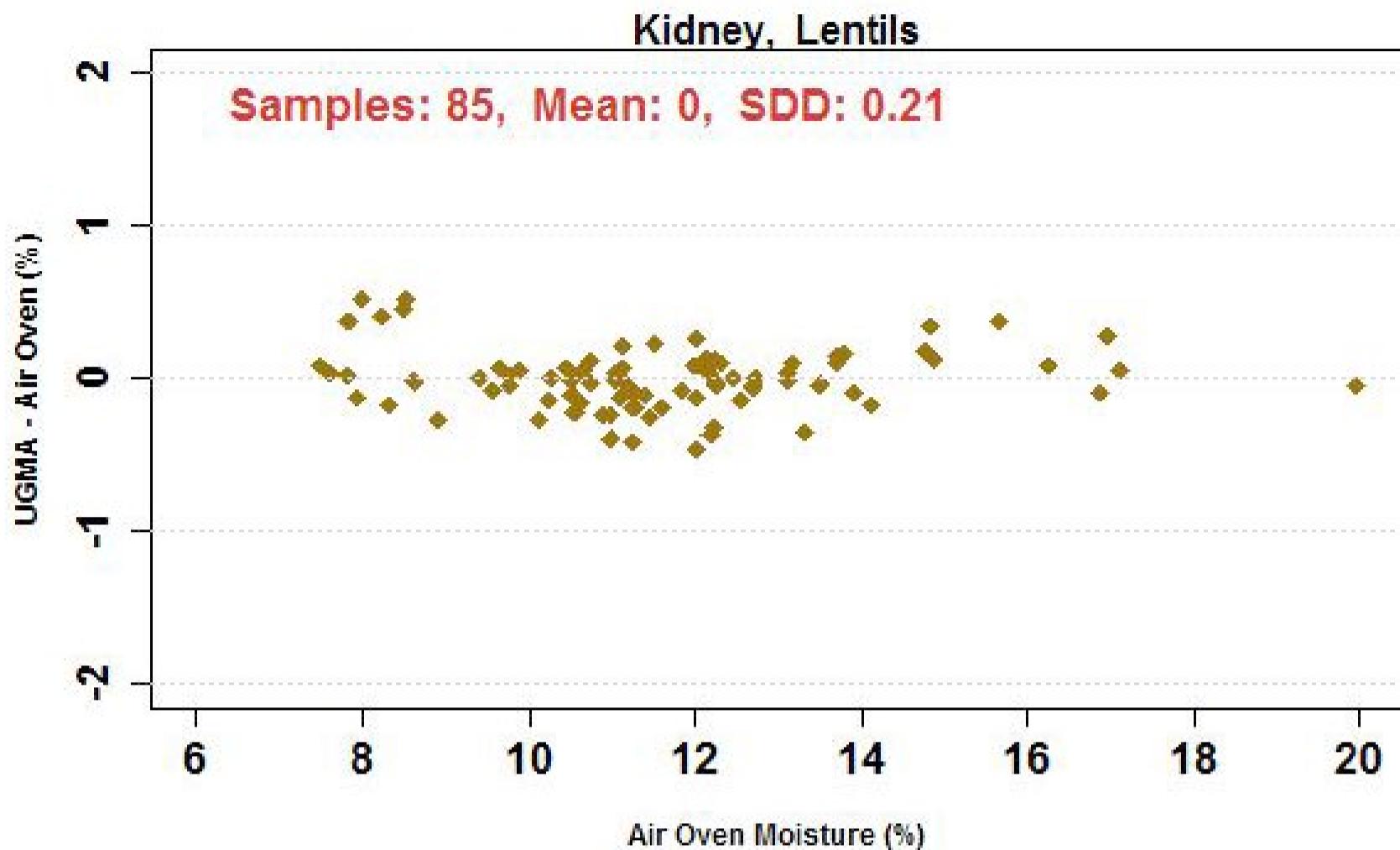
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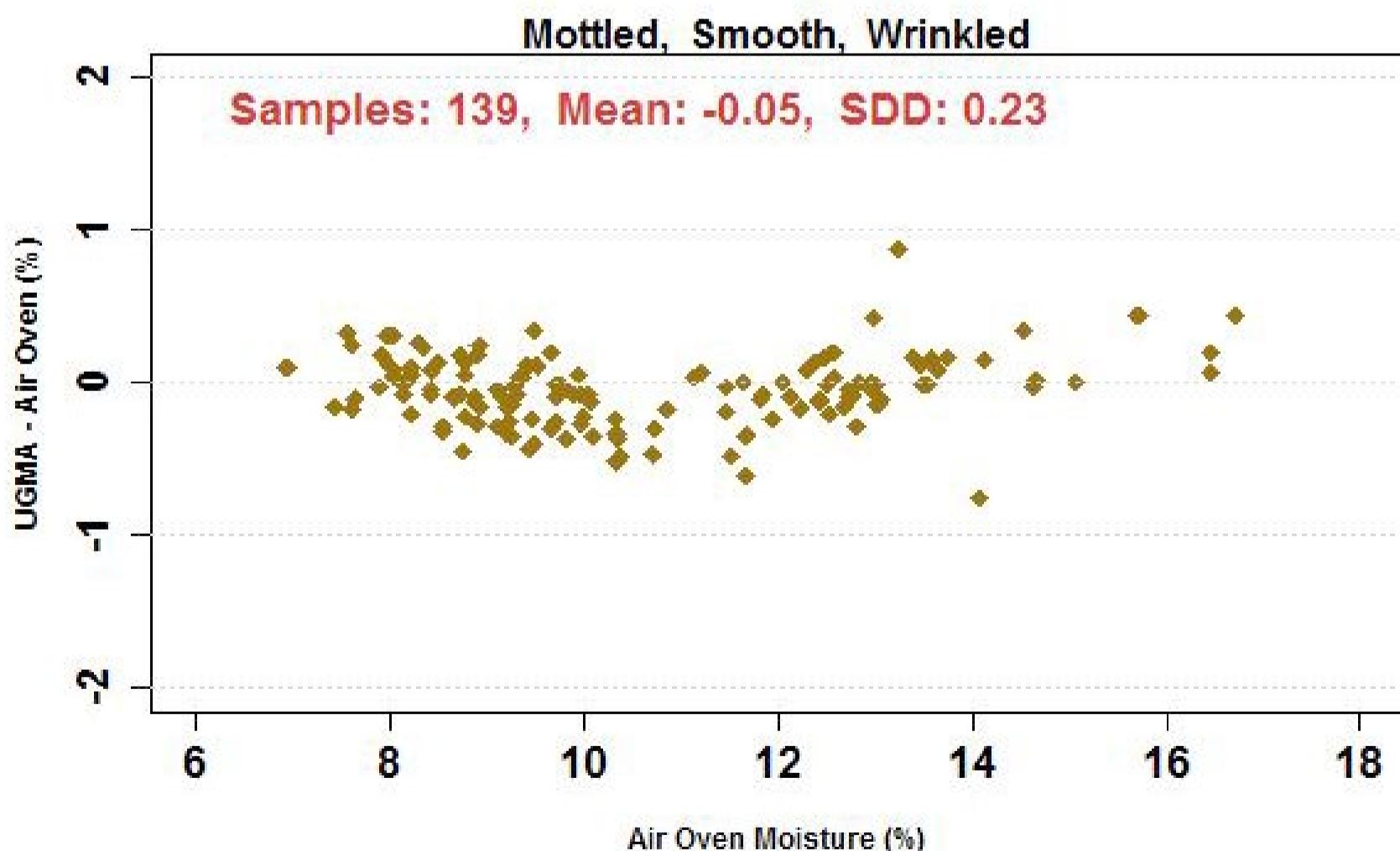
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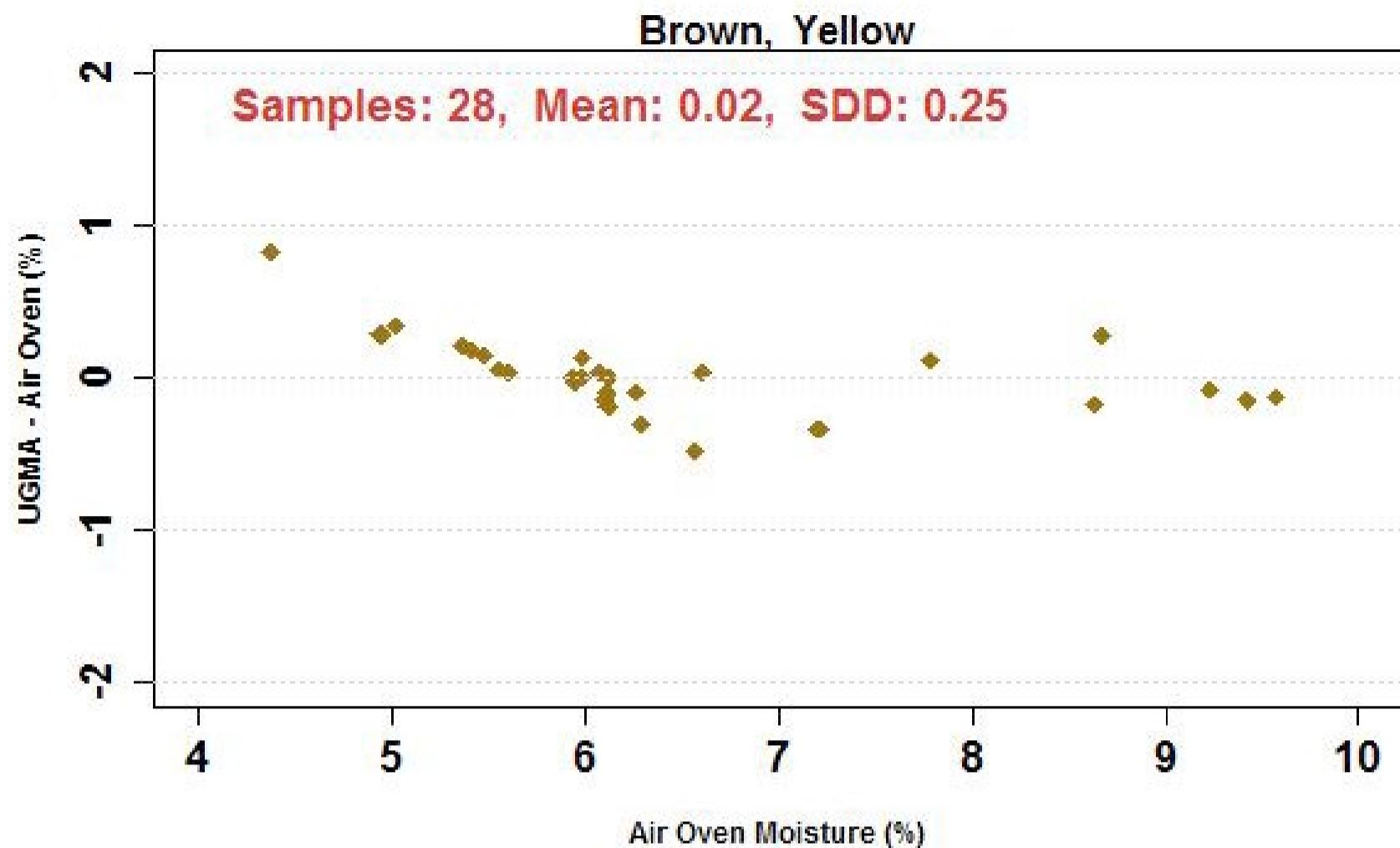
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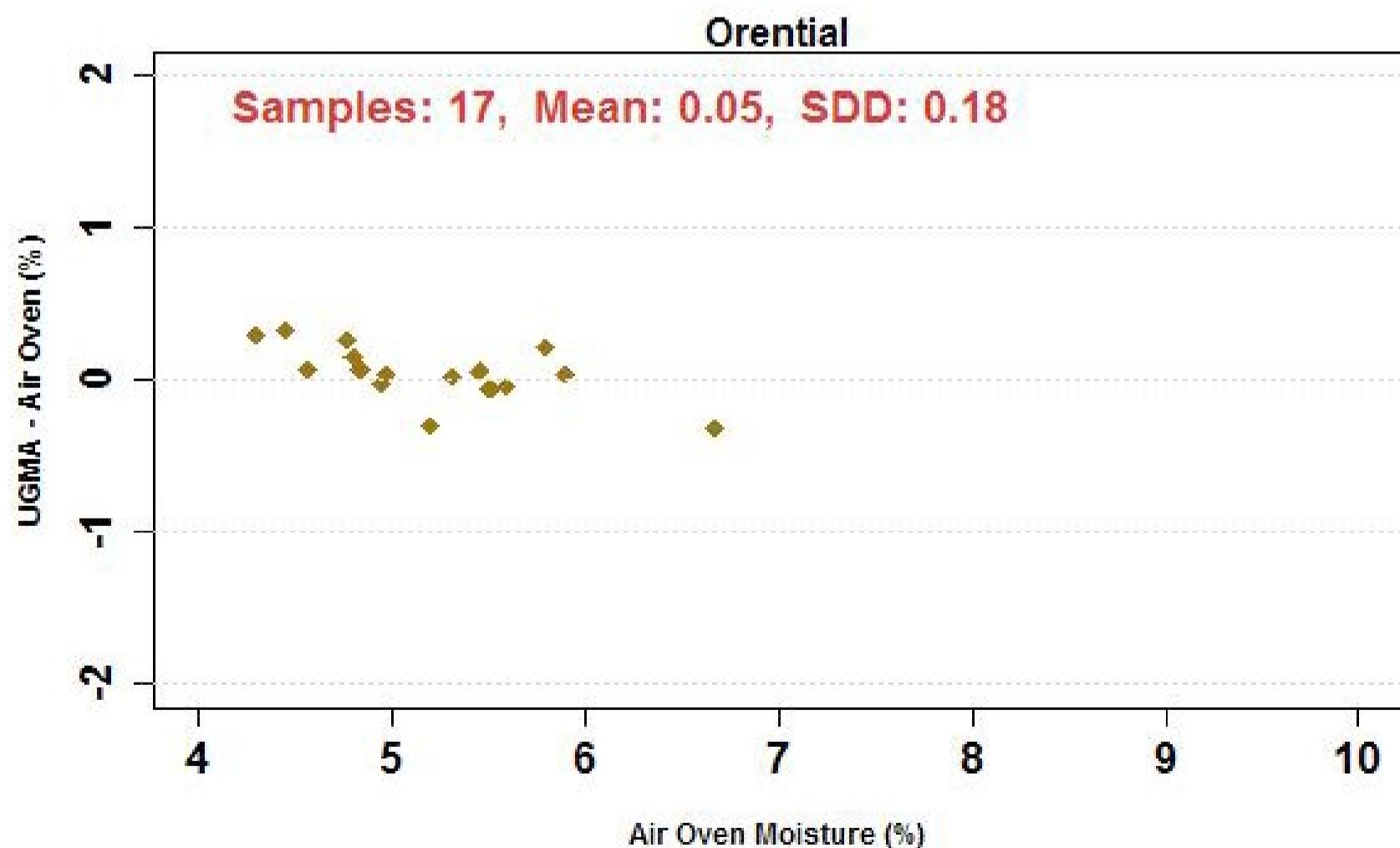
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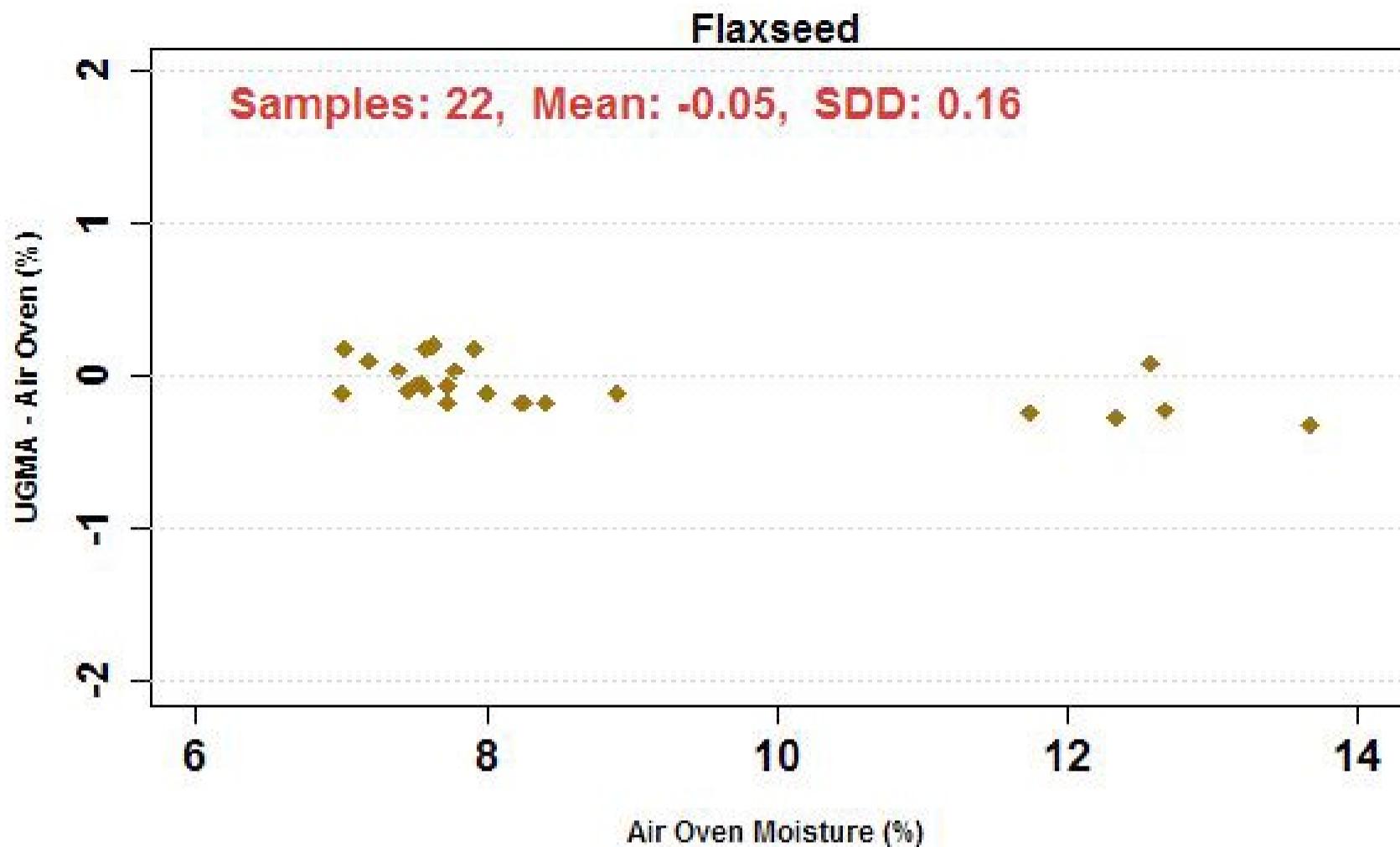
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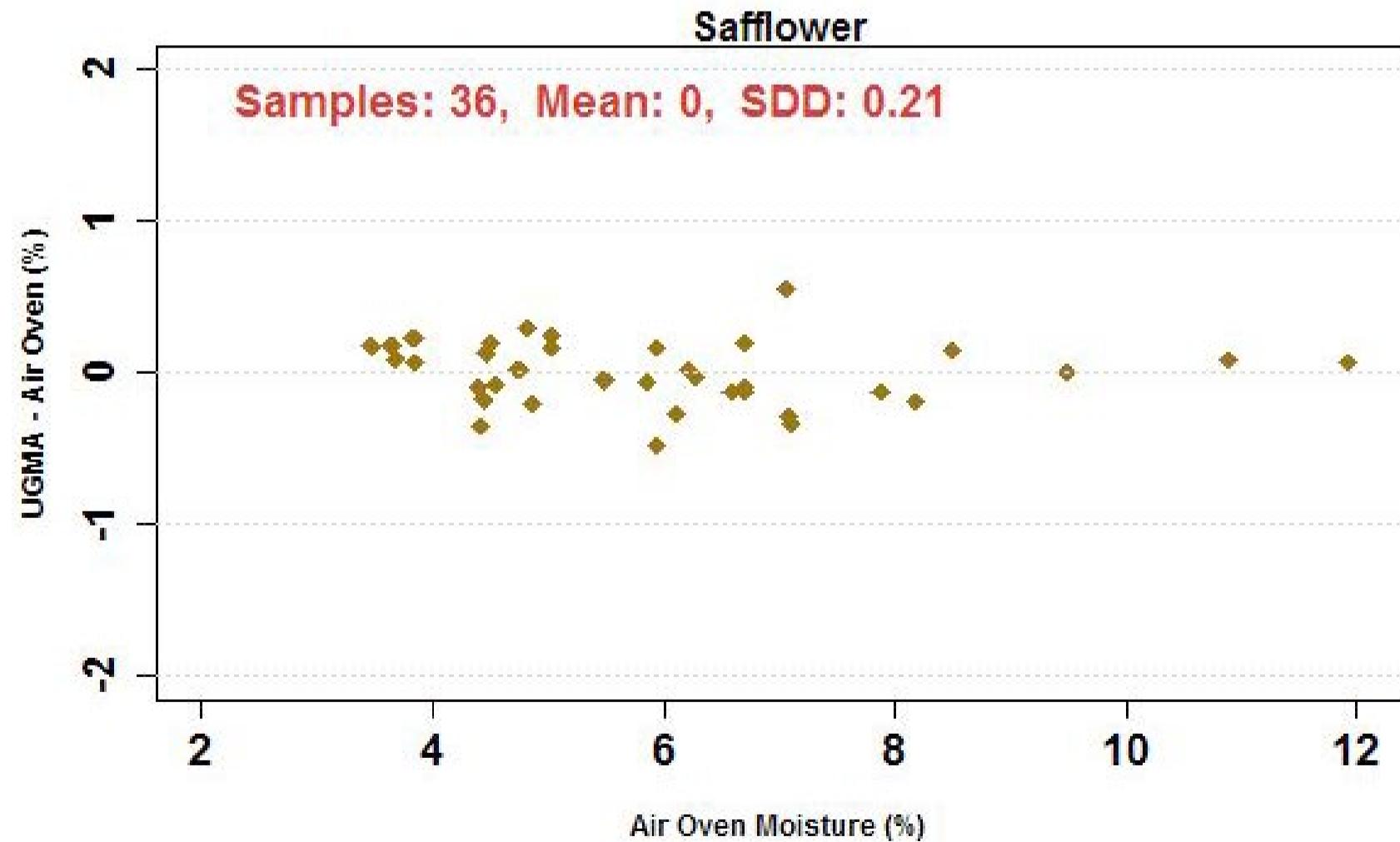
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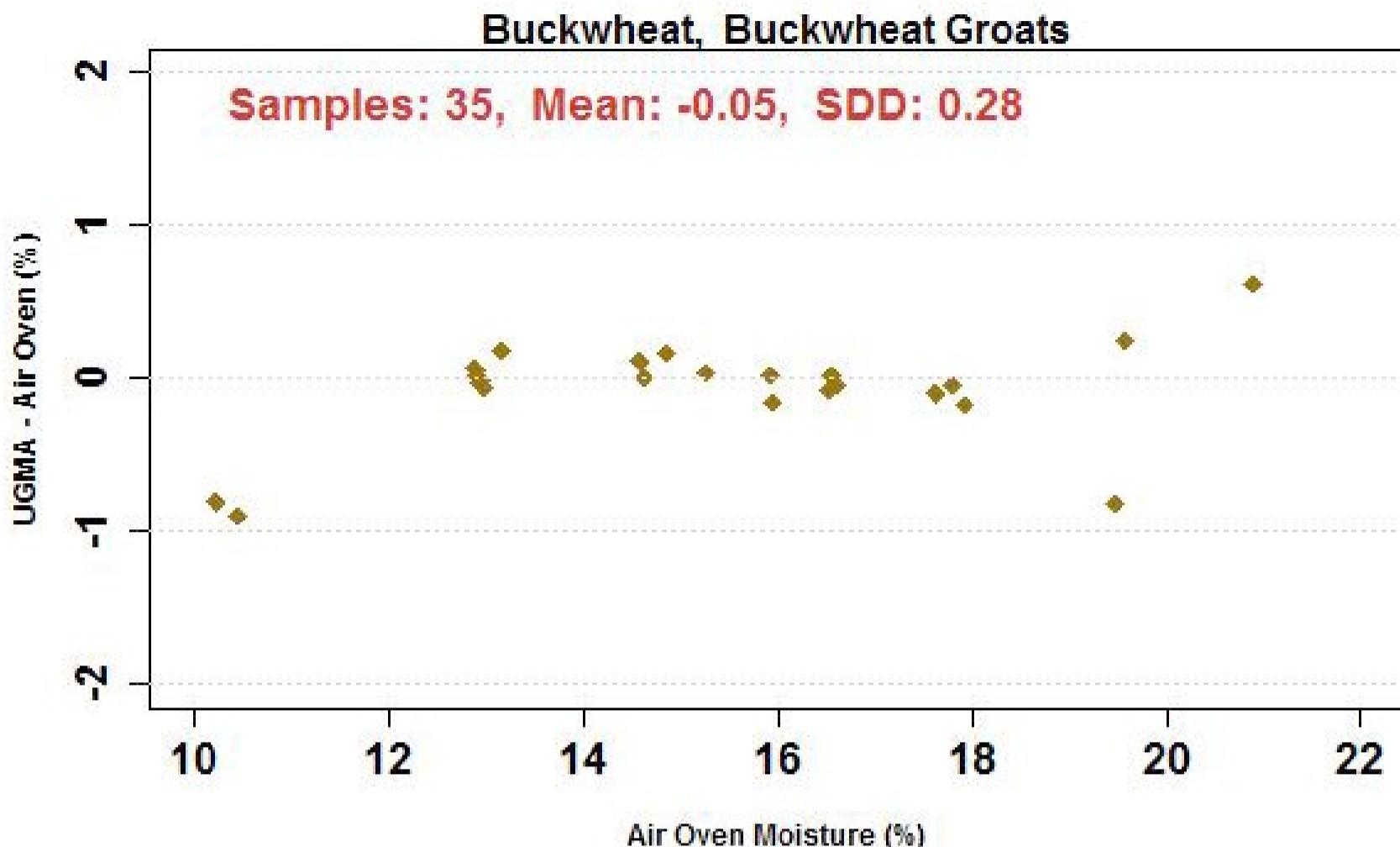
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## 29. Safflower Grain Group 2008-2011



### 30. Buck Wheat Grain Group 2012-2013



### 31. Popcorn Grain Group 2012-2015

